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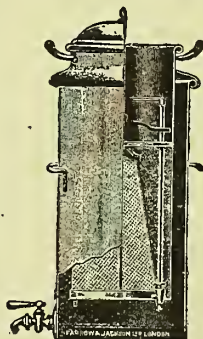


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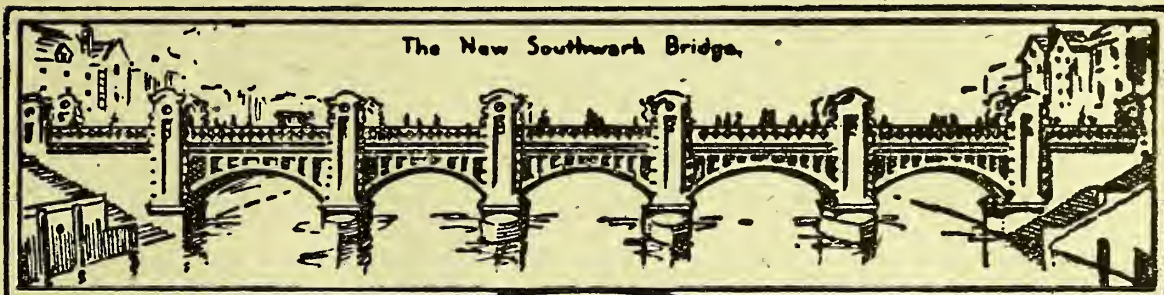
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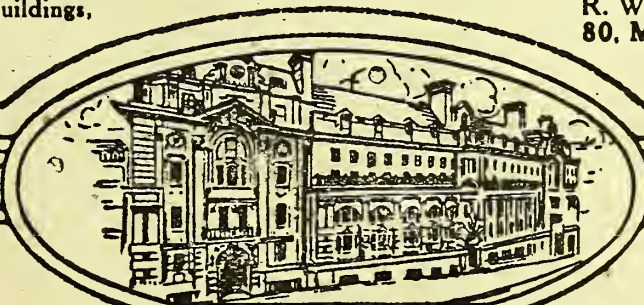
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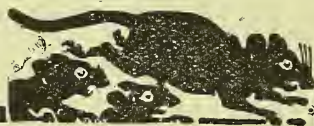
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6 dozen	11/- net.
12 "	21/- "

Railox, 7½d. size, 5/- dozen.

Monthly Account or 13 to the dozen for Cash with
Order. Carriage Paid.

Discounts: 20/-, 2½%; £5, 5%; £10, 7½%.
Orders may be assorted.

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Write for particulars of Bonus terms,
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* STAR BRAND * COLOGNE.

Extra Quality.

A Cologne that will
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Put up in 2 oz., 4 oz., $\frac{1}{2}$, $\frac{3}{4}$ and
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Satisfaction Assured.

MDME. STE CROIX'S POUDRE DE RIZ.

Fine Quality.



A NON-
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FIXER.

THE MDME. STE CROIX'S
HENNA SHAMPOO POWDER

Leaves the hair bright after use.

SHADES:
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PERFUMES:
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IN EACH
SHADE.



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7 Packets in Box.

Customer's own Name FREE on 3 dozen boxes.

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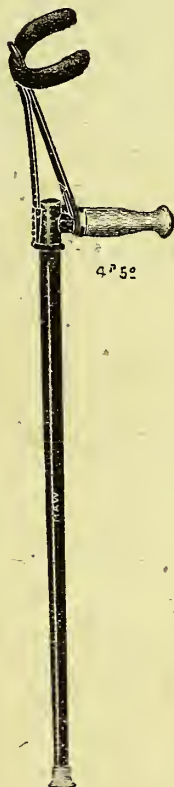
Maw's Page.

NUMBER 339.

APRIL 13, 1918.

The Crutch for Health and Comfort

THE old type of crutch with its head in the armpit has certain drawbacks. If used continuously the crutch tends to set up irritation, frequently leading to the formation of boils, or, what is more serious, the compression of the large nerves may lead to troublesome paralysis. The crutch illustrated here abolishes pressure on the armpit. It consists of an almost horizontal handle, which is grasped in the palm of the hand, and of a slightly sloped spring which supports the forearm from the wrist to the elbow, where the arm hangs naturally. The greater part of the weight of the body bears on the hand and the wrist. The use of



THE FORE-ARM LEVER WALKING STICK CRUTCH (PATENT)

compels the active use of hands, arm and shoulder, and is thus an exercise for the upper limb. It brings back the joy of walking to the patient, who can easily and naturally use this crutch after a little practice, and half-a-dozen miles or more may be covered without fatigue. Stairs, 'buses and trams form no obstacles for the patient equipped with this invention.

DESCRIPTIVE LEAFLET SENT FREE.

TWO QUALITIES 18/6 and 28/6 per pair.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m.

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ESTABLISHED 1860.

A Safe & Indispensable Family Remedy

EUSALINE

"THE FAVOURITE HEALTH DRINK."

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES :

Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured.

EUSALINE is Retailed, at 1/9 per bottle; Wholesale price, 15/- per dozen. Discount 15% and Carriage Paid on £5 orders.

Can also be had in boxes containing 13 packets, to retail at 1 1/2d. per packet, or 2 for 2 1/2d., and 1/3 per box; Wholesale price, 12/- per gross. Discount, 15%, plus bonus, according to quantity ordered. Carriage Paid on £5 orders.

GEORGE WALKER & SON, Ltd.

Reid Street, Bridgeton - - GLASGOW.

EUCALYPTUS OIL
(RECTIFIED).

Eucalyptol Content	70/80 %
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Specific Gravity	'919 to '928

Absolutely Free from Phellandrene.

Quotations by cable. Wholesale Trade only.

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All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY.

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**ANZORA CREAM
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to many of my customers.

The demand has developed to such an enormous extent during the last few months that my premises have been outgrown, but I have been fortunate in obtaining further accommodation and look forward to bringing delivery up to date very shortly.

I thank you for the way in which you have fostered the sales of Anzora Cream and Anzora Viola, the preparations that effectually

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28, 32, 34 Willesden Lane, London, N.W. 6.

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Buy from one of the Oldest Houses in the Trade.
Write for Prices. **ESTABLISHED 1794.**

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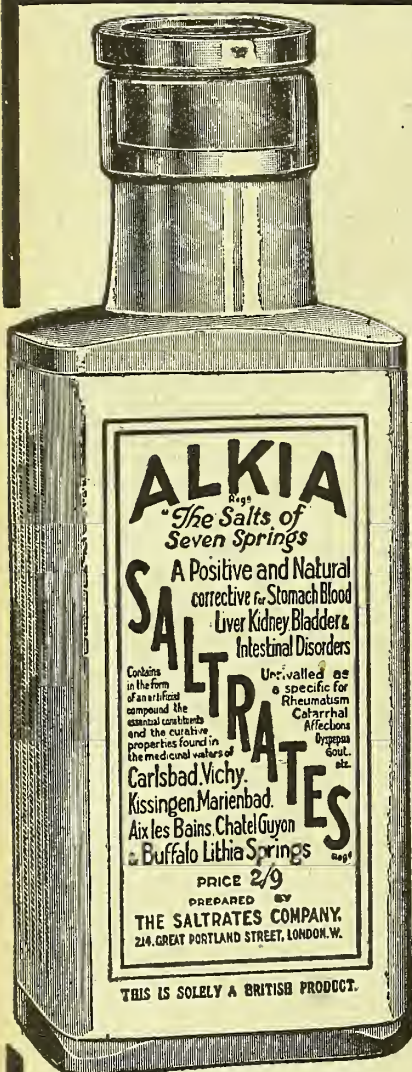
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The most efficient saline on the market and best value for the money. Pleasant tasting and always pleases the user.

A widely advertised line which you can recommend with absolute confidence.

Sells at **2/9** a bottle
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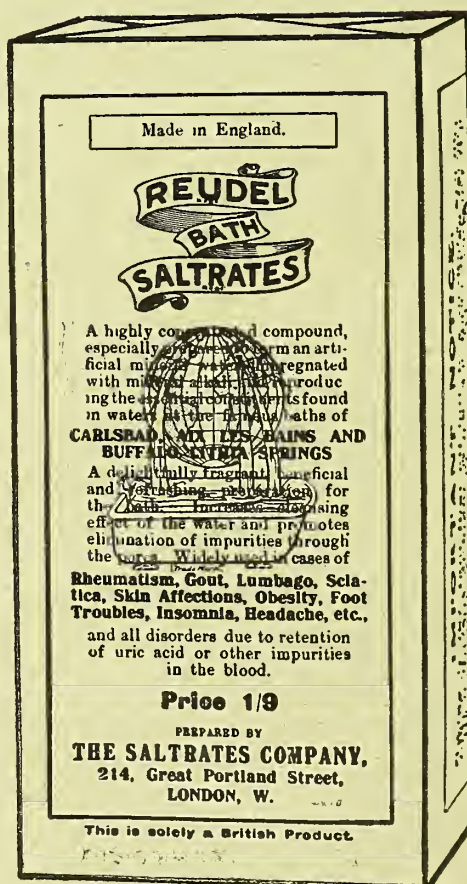
You can stock these goods on **Guaranteed Sale Terms.** Carriage paid in United Kingdom on orders for 3 dozen, which may be assorted.

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The best selling and most fragrant, refreshing, beneficial and all-round satisfactory preparation for the bath. Now being extensively advertised.

Sells at 1/9 and 2/9 (P.A.T.A.)

SALTRATES LTD.
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1868 to 1918

"Regard all new ways in the light of fresh experience for you. If you see any honey, gather it."

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Compound Phosphate Salts

To cleanse the drainage tracts of the body, a teaspoonful of **Compound Phosphate Salts** should be taken on rising every morning. It is best in warm or hot water, and during effervescence or shortly after.

Compound Phosphate Salts

The correct remedy for

Constipation, Biliousness,
Sour Fermentation,
Headache, Rheumatism,
Gout, etc.

PACKED IN SQUARE LEVER-LID TINS HOLDING
4 OZS. NET.

Prices are:

Retail - - - per tin **1/6**

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THE MARKET IS READY FOR IT!

Our Showcards are effective—and FREE, and we pay Carriage on assorted Drugs, Sundries and Packed Goods to the value of **50/-** to any part of Gt. Britain and Ireland.

AYRTON, SAUNDERS & CO. LTD
LIVERPOOL

"PERRO"

PER
4/6
DOZ.

Is the Nail Stone everybody wants directly they see it. It gives the shine that lasts all day, despite ablutions. That's why every Chemist sends in at least an order for

3 DOZEN

to get the **half-dozen bonus.** When can we send your little parcel on?

ALL BRITISH.

P.A.T.A.
7^{1d.}₂
EACH.

NAIL **CHRISTY'S** **STONE**
OLD SWAN LANE,
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ACETIC
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The Best Natural British Tonic Water

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GOOD PROFITS. PROTECTED BY P.A.T.A.

Two Gross "PENNY" Packets sold for 30/- show over
50 % Profit on purchase price 21/-, less 2½ % delivered.

PRICE LIST.

	Advertised Price Per doz.	Minimum Retail. Per doz.	Wholesale Per gross.
"PENNY" PACKETS (12 in box)	1/6	1/3	10/6
Twopenny Packets (12 in box) ...	2/-	2/-	19/-
	Each.	Each.	Per doz.
Boxes, about 1½ lb. ...	4d.	4d.	3/4
" " 3½ " ...	8d.	8d.	6/8
" " 7 " ...	1/2	1/2	11/6
" " 14 " ...	2/-	2/-	20/-

Four 7-lb. Boxes CARRIAGE PAID for 4/-

Six 7-lb. Boxes CARRIAGE PAID at 11/6 per doz.

Assorted Orders to value of 10/-, CARRIAGE PAID, any of
above sizes.

No socks to hold		Each.	Each.	Each.
{	Bags of 28 lb. ...	3/6	3/6	3/-
	" " 56 " ...	6/6	6/6	5/6
	" " 1 cwt. ...	12/-	12/-	10/-

Carriage Paid.

2½ % Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed
if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)

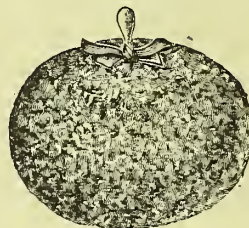
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the Best.

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Powder Puffs

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Wholesale and Export Manufacturers of
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**THE LEAST TOXIC OF LOCAL ANÆSTHETICS
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE**

Does not create a habit and does not give rise to headaches,
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NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly
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LES ETABLISSEMENTS POULENC FRERES

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BISHOP'S NATURAL FRUIT SALINE

THIS preparation, our latest Saline, made by our Special Process without SUGAR or SACCHARINE, is an unique Saline. It is strongly effervescent and delightfully palatable, making a bright, refreshing draught, which acts as a mild but very thorough aperient, antacid and liver stimulant.

BISHOP'S NATURAL FRUIT SALINE is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line. It keeps perfectly in all climates.

The Wholesale Price is 15/- per doz. Discount 10 %, and carriage paid on £5 lots.

The P.A.T.A. Retail Price is 1/9 per bottle.

This ensures a profit of 7½d. a bottle to the Chemist.

Sold in P. S. Bottles with striking Litho. Cover.

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PEPPERMINT OIL**

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Finest qualities for Druggists,
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Trade Mark—SILWYR, LONDON.



Size of Brush—6½ by 1½ in.

60 doz., 9/6 per doz.; 30 doz., 10/6 per doz.

This price includes a Celluloid Tablet, 5½ in. by 1 in.,
printed in two colours, fixed in the back of the Brush;
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This Cloth Brush is made of pure bristles, and is of best English
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J. & J. Colman, Limited, have pleasure
in announcing that the sale of Robin-
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IS AUTHORISED BY LICENCE,

subject to consumption being re-
stricted as far as practicable to Infants,
Invalids and Children, and to the retail
price not exceeding 1s. per lb.,
6d. per $\frac{1}{2}$ -lb., 3d. per $\frac{1}{4}$ -lb.

J. & J. COLMAN, Limited,
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"Strodonia" VANISHING CREAM

is extensively advertised. Don't miss sales by being out of stock. Two sizes—7½d. @ 5/6. 1/- @ 9/- per doz.; from London Wholesalers.

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS:—

1½ dozen 7½d.	selling for	11 3
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For 10/- cash with order, carriage paid. 20 3

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OVER 100 % PROFIT
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One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

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1/-	1/-	7/6	
1/6	1/6	9/-	per doz.
2/6	2/3	15/-	less 5 %
3/6	3/3	21/-	discount

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

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P.A.T.A. Protected Dozen
Retail Price. Net.

* LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " " " "	1/6	13/-
" " " " " bottles in cartons	2/-	16/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	Box. 2/-	Doz. 18/-
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Telephone—6819 City.
Telegrams—"Premdruco Manchester."

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INQUIRIES INVITED FOR

MALT & Oil, Perfumes, all classes of Toilet Goods, Meat Extracts, Beef Cubes, NON-EXCISEABLE WINES. "COOKS" FARM EGGS.

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"GESTIVO"

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THE DIGESTIVE FOOD.

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Own name and address printed on packets—
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SPRING'S PACKED TABLE HONEY

All Varieties i.e., "White Clover," "Heather," etc.
SPRING & CO., Ltd., BRIGG, LINCS.
 (The Largest Collectors and Packers of Honey in Gt. Britain)
Limited Supplies Available.

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—Yes! **Rigollot's Mustard Leaves**
 for Plasters. The original and only
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OF ALL CHEMISTS AND STORES IN
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The only Food Preservative that has ever been publicly
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Full directions for use enclosed in every package.
 Packed in 6d. and 2/- Packets and 2/3 Canisters.

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Will call at your store if they know you
 stock Vi-Cocoa because this food beverage
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Display Vi-Cocoa in your window—it
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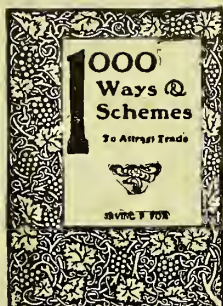
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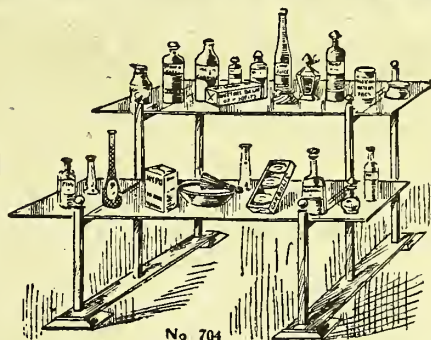
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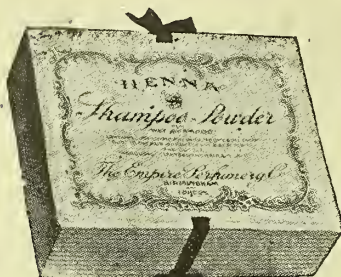
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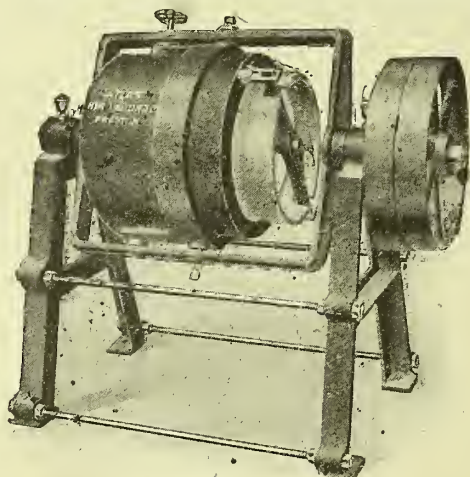
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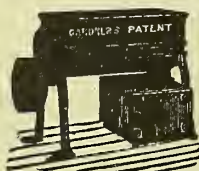
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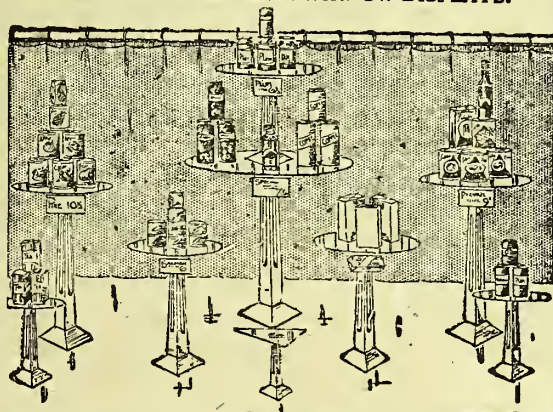
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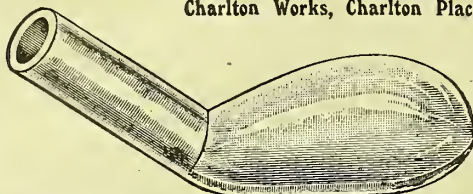
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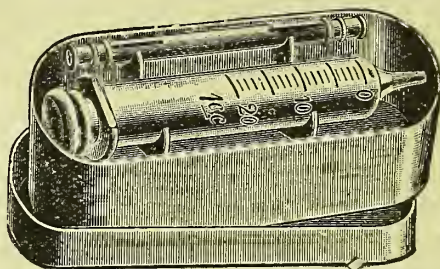
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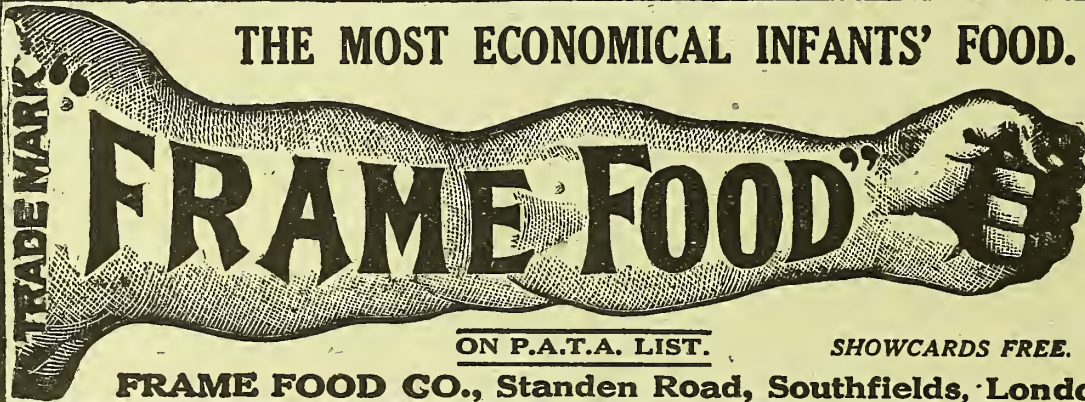


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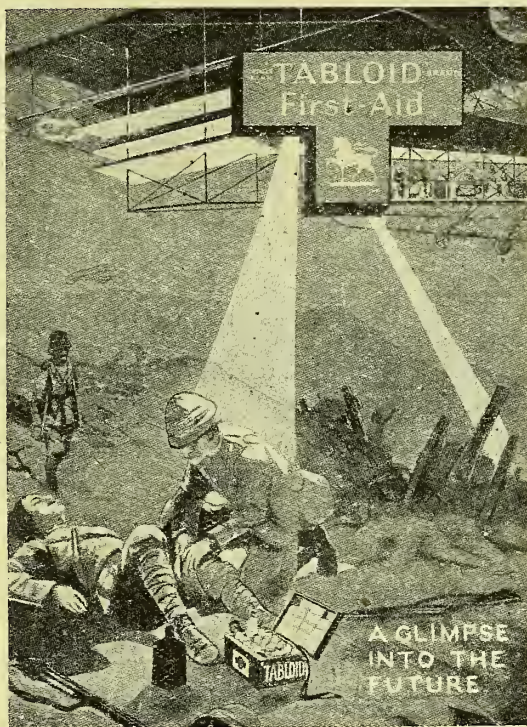
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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, April 16.

Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 P.M. Mr. F. Cherry will deliver the first of a course of lectures on business training, entitled "Methods of Practical Co-operation" (see p. 35).

Ealing Pharmacists' Association, Buol's Restaurant, at 9 P.M. Mr. Jas. Kirkpatrick will deliver an address.

Wednesday, April 17.

Federation of Lakeshore Pharmaceutical Associations, Wigan, at 5 P.M. Mr. W. H. Saunders on "Face-values."

Thursday, April 18.

Chemical Society, Burlington House, Piccadilly, London, W. 1, at 8 P.M. Hugo Müller Lecture by Sir Henry Miers, F.R.S., on "The Old and the New Mineralogy."

West Ham, etc., Association of Pharmacists, Earlham Hall, Forest Gate, London, E., at 3 P.M. Mr. S. W. Woolley, Editor of THE CHEMIST AND DRUGGIST, on "Patents and Trade-marks for Chemicals."

Association of Certified Dispensers, Apothecaries' Hall, Blackfriars, London, E.C., at 7.30 P.M. Annual meeting.

Friday, April 19.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Major G. I. Taylor on "The Use of Soap Films in Engineering."

Wednesday, April 24.

Birmingham Pharmaceutical Association, Imperial Hotel, Temple Street, at 8.30 P.M. Mr. Hugo Wolff on "Face-values" and Mr. John Keall on "The Proprietary Articles Trade Association."

European War News.

Import and Export Notices.

UNITED STATES.—The Board of Trade learns from Washington that the War Trade Board have issued a list of commodities licences for the import of which into the United States will be granted only under the following conditions:

(1) If the goods are actually shipped to the United States prior to April 15, 1918, or

(2) If the goods are imported by rail from Mexico or Canada and are the produce of one or other of these countries or of some other country from which such goods are being licensed for import, or

(3) If goods are shipped to the United States as return cargo from ports in Europe, and then only when (a) they are shipped from a convenient port, and (b) they are loaded without delay, and (c) import from Europe is not specifically prohibited, except for gelatine and manufactures thereof, all expressed vegetable oils, malt liquors, candy and confectionery, and all beverages other than wines.

The lengthy list of commodities the issue of import licences for which is conditioned as explained above includes candlepitch palm and other vegetable stearin; all acids, muriate of ammonia; all coal-tar distillates except synthetic indigo, fusel oil, or amylic alcohol; citrate of lime; all salts of soda except nitrate of soda and cyanide of soda; sumach, ground or unground; manure salts; fluorspar; gelatine and manufactures thereof; sulphur oil or olive foots grease; honey; hops; infusorial and diatomaceous earth and tripoli; all expressed vegetable oils; lemon oil; perfumery, cosmetics and toilet-preparations; rennets; soap; tar and pitch of wood.

Certified Occupations.

Changes in the List of Certified Occupations were published on April 10.—The List of Certified Occupations which the new Order replaces was issued in February 1917, and a Supplement was published later in the year. It is explained that the Order has been made, in view of the present crisis, with the intention of releasing for military service a large number of men, while interfering with industry as little as possible. Suspension of calling-up notices can, therefore, only be granted in most exceptional cases, and it cannot be assumed that an application for a suspension will be granted. If a man falls within the terms of the Order because he has never been placed in a medical category or grade, as defined in the Order, and if, on being medically examined after the date of the Order, he proves to be in a grade which, if he had been previously examined, would have excluded him from the terms of the Order, his exemption is not restored, but it is intended that for the present he should, if he so desires, be returned to civil life. He must express such desire forthwith upon being medically examined and before he is sent forward for service. A man once sent forward cannot be returned to civil life afterwards. A man who has already been placed in a medical grade or category before the date of the Order and has been de-certified on the basis of his existing category or grade, will not be returned to civil life even though, on subsequent re-examination, he should be placed in another grade, provided that the new grade is one required for the Forces. The Order is a withdrawal of certificates of exemption and does not in any way affect protection certificates, such as those issued under the Munitions Area Recruiting Scheme, Forms 3476 A, 3476 B, and 3476 W.M.V. It follows that no alteration is made by the Order in the position of men who are holders of protection certificates, or in the current arrangements by which such men are rendered available for service. Applications for special suspension of a calling-up notice must be received on or before April 24 at regional headquarters. Among the changes in the list of occupations is the withdrawal of exemption from every man born in or after the year 1875 who, according to his principal and usual occupation on the date of the Order, is within any of the classes or descriptions specified in this part of the schedule, provided that on the date of the Order he is, pursuant to his last authorised medical examination, in Medical Category A, B1, or C1, or Medical Grade 1 or 2, or has not been placed in a medical category or medical grade. The list includes commercial travellers, canvassers, advertising-agents, shop-assistants, shop-fittings makers, showcase-makers. Another section of the Order refers to alterations in age-limits in a large number of occupations in the textile, engineering, and other trades.

Personalia.

DRUMMER G. PEPPERELL, Manchester Regiment, has been "gassed" on service. Prior to joining the Forces he was with Joseph Crossfield & Sons, Ltd., Warrington.

CORPORAL T. A. KENDRICK, East Lancashire Regiment, has been wounded on service. Prior to joining the Army he was with Joseph Crosfield & Sons, Ltd., Warrington.

TROOPER JAMES FOSTER was wounded on service on March 26, and is in hospital in England. Trooper Foster enlisted in August 1914 from the Southport staff of Boots, Ltd.

CAPTAIN W. R. RITCH, Scottish Rifles, is reported by the War Office as "wounded and missing, date unknown, no details." Captain Ritch previous to the war was the Scottish representative of Sparks, White & Co., Ltd., London, E., and joined the Colours in September 1914.

SIGNALER G. A. BECKETT has been severely wounded, and is now in a base hospital in France. He is the fourth son of Mr. F. Lloyd Beckett (Evans Sons Lescher & Webb, Ltd.'s bacteriological laboratories, Higher Runcorn). An elder brother, Lieutenant Eric Beckett, R.F.A., was dangerously wounded last September.

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

BEXHILL.—Mr. E. T. Hayball, chemist and druggist, was conditionally exempted for three months.

FULHAM.—Mr. George Alexander Hamilton, chemist and druggist, of Wilkinson & Hamilton, chemists, North End Road, West Kensington, was, on account of his partner's ill-health, exempted for six months.

SHOREDITCH.—Four months' exemption in each case was granted to Messrs. W. J. Owen, chemist and druggist, assistant with Bewells, Ltd., chemists, Pitfield Street; W. Fuller, with Mr. C. Wheeler, manufacturing chemist, Hackney Road; and S. King, manager to B. Rosedale & Co., cardboard-box makers, Curtain Road. In the last-mentioned case it was stated that the firm were turning out a great number of pill-boxes.

SOUTHWARK.—Stevenson & Howell, Ltd., 95A Southwark Street, S.E., appeared to show cause why conditional-exemption certificates granted to Mr. H. Lightfoot, a director, and to a shipping clerk should not be withdrawn. Mr. Stevenson explained that he was the only one remaining of five pre-war directors, and that Mr. Lightfoot, who had been fourteen years with the company, had been appointed to fill a vacancy. The certificates were withdrawn, three months' exemption being substituted in Mr. Lightfoot's case, and six months' in the other case.

SUTTON-IN-ASHFIELD.—Mr. J. J. B. Stanley, chemist and druggist, manager for his father, Mr. John Stanley, chemist and druggist, was exempted for six months.

SWINDON.—Mr. A. C. Allen, chemist and druggist, was exempted for six months.

ONE-MAN BUSINESSES.—The Shoreditch Tribunal, at a recent sitting, decided, after hearing the National Service Representative, to appoint a Committee to run one-man businesses (see *C. & D.*, March 23, p. 34).

FIT MEN AND THE ARMY.—The President of the Local Government Board has addressed a circular letter to local Tribunals stating that the Minister of National Service has directed the local National Service Representatives to apply (except as regards certain cases which have been before Tribunals within the last month) for the review of exemptions held on occupational grounds by men in Grades 1 and 2 or in Categories A, B1, or C1, or who have not been medically examined. He impresses upon the Tribunals in the present crisis the necessity of promptly dealing with all these cases, and with any others that may come before them, and asks that, where possible, such cases be disposed of within the next fortnight.

CONTROL OF TEA.—The Tea Prices Order and the Tea Distribution Order, 1918, dated February 14, came into operation in England and Wales on March 18, in Scotland on April 1, and in Ireland on such date as the Food Control Committee for Ireland may fix, subject to the directions of the Food Controller. From March 18, not only national control tea, as it becomes available, may be sold retail at not more than 2s. 8d. per lb., but all tea which retailers may have on hand, no matter what the price was at which they bought, must not be sold at a price exceeding 2s. 8d. per lb., unless in any case a Food Control Committee (subject to any discretion given by the Food Controller) has allowed an extension of time for clearance of tea other than national control tea. Retailers must display in a conspicuous part of their premises a notice stating that the retail price of national control tea is 2s. 8d. per lb.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

PARLIAMENT RE-ASSEMBLES.

Both Houses of Parliament met on April 9 after the Easter recess.

POTATO-FLOUR FACTORIES.

Mr. Clynes, Parliamentary Secretary to the Ministry of Food, stated in the House of Commons that potato-flour factories are to be installed in Scotland in those districts which produce potatoes in excess of their own requirements.

SMUGGLING OF OPIUM.

Sir William Collins, M.P., who was one of the delegates on the International Conference, is calling the attention of the President of the Board of Trade in the House of Commons to the alleged smuggling of 4 tons of opium into Shanghai. Sir William is inquiring from what port it was consigned, its value, and the action which the Customs authorities propose taking.

DENTISTS ACT INQUIRY.

Our Parliamentary correspondent states that the Departmental Committee which is inquiring into the Dentists Act, under the chairmanship of Mr. F. D. Acland, M.P., entered, on April 10, upon the third and final stage of its investigations, when what is known as the curriculum question came under review. The first witness was Sir Donald MacAlister, K.C.B. It is stated in well-informed quarters that the Chairman has already drafted his report relating to the first part of the inquiry—viz., the shortage of dentists, the position of the unregistered dentist, and the possibility of placing them upon a special roll.

MILITARY SERVICE BILL.

In the House of Commons on April 9, the Prime Minister obtained permission to bring in a Bill to make further provision with regard to military service during the present war. He stated that the enemy has definitely decided to seek a military decision this year whatever the consequences to himself. The enemy is compelled to do this for several reasons. The fighting may continue for seven or eight months, and everything depends upon keeping our strength in man-power right to the end, whatever the strain upon our resources may be. After referring to the levies of men that are to be made from munition-works and mines, the Prime Minister said that Orders are to be issued cancelling all occupational exemptions by age blocks in specified occupations. It is proposed to raise the age for military service up to fifty, but that does not mean that men between forty-two and fifty are necessarily to be taken in order to put them in the fighting line. There are many services in the Army which do not require the very best physical material, and it would be very helpful to get men of this age to fill those services in order to release younger and fitter men to enter into the fighting line. For home defence men between forty-two and fifty would release younger men. The proportion of men who would be available is something like 7 per cent., that is, only 7 per cent. of the men from forty-two to fifty would be available for the Army. It is proposed also to cancel several classes of exemption and to take power in the Bill to declare that a national emergency has arisen and that any certificate of exemption from military service of a nature specified shall cease to have effect, and that while any such Proclamation remains in force no exemption shall be granted which would fall within the terms of the Proclamation. In this way "clean cuts" as to age will be made. Any existing exemptions granted to such men will be superseded, and the men will be taken or left on medical grounds only. The Military Tribunals are also to be limited as regards constitution and areas in which they work, while the grounds of exemption are to be standardised and the rights of appeal limited. The extension of conscription to Ireland was foreshadowed, this proposal raising very strong protests from the Irish members in the House.

The Bill, which has since been published, provides that all men who have not attained the age of fifty-one when the Bill passes into law will become liable for service. Power is also taken to extend the age-limit, by Order in Council, to fifty-six, either as respects men generally or in regard to any class of men. For medical practitioners the age-limit is to be fifty-six in cases. Clergymen are not exempt from the provisions of the Act, but are not to be compelled to undertake combatant service. The Act is to be applied to Ireland by Order in Council, subject to such modifications and adaptations as may be needed. The constitution of Military Tribunals and their powers and duties in regard to exemptions are to be laid down in regulations made by Order in Council.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the bodies named:—

Evesham Guardians.—Mr. W. J. Craven, chemist and druggist, drugs.

Hastings Guardians.—Mr. J. G. Richards, chemist, drugs, etc.

Merthyr Tydfil Guardians.—Mr. V. A. Wills, chemist and druggist, drugs, etc.

Richmond (Surrey) Guardians.—Corbyn, Stacey & Co., Ltd., drugs.

Progressive Pharmacy Club.

The Committee of the Progressive Pharmacy Club has arranged for a series of lectures to be delivered at the Club, Arundel Hotel, Arundel Street, London, W.C. 2, on "Business Methods Applied to Pharmacy." The syllabus is drawn up to include the following subjects: (1) Practical Methods of Co-operation. (2) The Art of Salesmanship. (3) Profit, Percentages, and Discounts. (4) The Poison Laws as Affecting Everyday Sales. (5) Advantages of Shorter Hours in Business. (6) Business-building on Modern Lines. (7) Window-dressing and Display of Goods. (8) Stock-keeping and Stocktaking. (9) Scientific Method as Applied to Business. (10) Advertising—What to Do and What to Avoid. (11) Professional Relations between Physicians and Pharmacists. (12) The Financial Question. The first lecture is fixed for Tuesday, April 16, at 8.30 p.m. prompt, Mr. Frederick Cherry, F.R.C., being the lecturer. Admission to the lectures will be free to Club subscribers, but an inclusive fee of five shillings will be charged to non-members. Apprentices to pharmacists can obtain free complimentary tickets on application to Miss Borrowman, 17 The Pavement, Clapham Common, London, S.W. 4.

Birmingham.

Local scientific Societies are inviting members of other local scientific Societies to their meetings. The interchange of courtesies promises well.

A bold showcard—bold in more senses than one—has been observed in the window of a well-known pharmacy, with the inscription, "We have plenty of saccharin tablets."

A local advertisement of an unusual character is perhaps worth reproduction: "Chiropody.—Miss —, B.Sc., attends, etc., daily from 10.30 to 4.30." "To such base uses!"

Accommodation for a hundred crippled soldiers is to be provided at a local military hospital, and the necessary limbs or other appliances will be supplied to them under the auspices of the Ministry of Pensions.

The late Mr. A. S. Johnstone, whose estate has been valued for probate at £2,841*l.*, had, in addition to his chemical fame (*C. & D.*, 1917, p. 851), a connection with pharmacy through the five years' apprenticeship of his nephew, Mr. Ernest Munns, in the laboratory of Southall Bros. & Barclay, Ltd.

Among the successful candidates at the First Professional examination of the Royal College of Physicians and Surgeons, held recently, was Mr. Bernard Gretton Watson, chemist and druggist, Alcester Lane's End, King's Heath, who passed in biology and chemistry. Mr. Watson studied at Birmingham University.

The City Librarian is inviting scientific Societies to hold meetings at the Reference Library for the purpose of examining books of specific interest to them. Years ago the books of the Birmingham Pharmaceutical Association were stored here, and were consumed in a disastrous fire. The present pharmaceutical library, of which Mr. F. H. Alcock, Ph.C., is the Hon. Librarian, is in the main corridor of the Mason College Buildings of the University.

Liverpool.

Dull weather with recurring rains keeps influenza remedies to the fore in pharmacy windows.

Mr. Andrew Royal, chemist and druggist, has acquired the Moss Lane, Orrell Park, branch of W. T. Warhurst, Ltd., of which he had been manager.

Visitors from London, Birmingham, Leeds, and easterly towns describe Liverpool as presenting much less of the inconveniences of war-time than they find at home.

Mr. T. Fell Abraham, Ph.C., as Chairman of the R.S.P.C.A. annual meeting at St. George's Hall, on April 6,

placed a presentation collar round the neck of a young fox-terrier. The engraved plate showed that the animal had rescued its young master (aged five) from drowning.

Sheffield.

It is understood, as the result of inquiries at the local Food Office, that manufacturers' vouchers for sugar for May and subsequent months are expected, and that chemists may hope for their usual supplies. Any future difficulties should be referred to Mrs. L. E. Helliwell, Food Office, Rockingham Lane.

There is a strong feeling among the progressive members of the local Society that, if it is not possible to secure a candidate at present from Sheffield for the Council, some candidate should be supported who is willing to put a little "ginger" into his politics and secure some tangible form of local organisation. The prolonged waiting for a report from the Pharmaceutical Society is getting on the nerves of the active workers, who are bent on doing something, and would prefer to support the Society if it is ever likely to move.

Miscellaneous.

SOCIETY OF CHEMICAL INDUSTRY.—The annual meeting is to be held this year on July 17, 18, and 19 at Bristol, where a Section of the Society has recently been formed.

MEDICINE STAMP ACT CASE.—At Tower Bridge Police Court, London, on April 5, Mr. Frederick Ellis, chemist and druggist (trading as C. Gadd & Son), Lower Marsh, Lambeth, S.E., was fined 10*l.* for exposing for sale a bottle of cough-balsam not bearing a patent-medicine stamp.

BRITISH OPTICAL ASSOCIATION.—An examination in the theoretical and practical sections of the Intermediate (dioptric) grade will be held at the University of London, Imperial Institute, South Kensington, on May 28 and 29. Intending candidates are requested to apply for particulars to Mrs. M. Sutcliffe, Assistant Secretary, British Optical Association, at Clifford's Inn Hall, Fleet Street, London, E.C. 4.

THEFTS FROM WHOLESALE.—At Old Street Police Court, London, on April 10, Charles Hatton, packer, Westgate Street, E., was sentenced to three months' hard labour for stealing soap and glycerophosphates, value 10*s.*, from his employers, Allen & Hambury, Ltd.—At the same court, another case of theft from the same company was investigated, and the prisoner, John William Hughes, compositor, 83 Victoria Road, Kilburn, N.W., was sentenced to three months' imprisonment in the second division for stealing 1,509 lb. of type, together with grease-proof paper and other articles of a total value of 307*l.* 16*s.* It was gathered that Hughes contemplated setting up a printing business of his own.

POISONING.—An inquest was held at Norwich, on April 8, on the body of Corporal Victor Claude Mortlock (31), a patient in a local military hospital, who died on April 5. Evidence was given by Staff-Nurse Agnes Evans to the effect that she accidentally administered an ounce of lysol in error for a morning aperient dose; and further evidence showed that the nurse had a cold and a swollen eye, rendering it difficult for her to distinguish between the liquids, which were in bottles of similar size and shape. It was stated that there had been a difficulty in obtaining proper bottles for poisons, but that after the accident a system was introduced for preventing such mistakes. A verdict of "Death by misadventure" was returned.

SALE OF FOOD AND DRUGS ACTS.—Fines of 2*l.* and 1*l.* respectively were imposed by the Leicester County Magistrates, on April 6, on William Widdowson, shopkeeper, Markfield, and Fanny West, manageress of the Kirby Muxloe Co-operative Society, for selling sweet spirit of nitre deficient in strength. During the hearing of the cases Mr. J. H. Butler (E. H. Butler & Son, manufacturing chemists) said it was now impossible to get amber bottles in which to store the spirit, and it was almost impossible to guarantee it to be of full strength on account of this and other storage difficulties. It was sold to Mrs. West in November. Mr. S. B. Bratley (John Richardson & Co., Leicester, Ltd., wholesale druggists) said it was so difficult to guarantee sweet nitre that he had asked his firm to discontinue selling it.

BY BOILING SEAWATER in a solution of sodium carbonate and treating the filtrate with sulphuric acid, a substance is produced that has more viscosity than starch paste or acacia mucilage.

ONE OF THE MOST CRUCIAL QUESTIONS which must receive a practical solution in the framework of educational reconstruction is that of the proper relation between liberal or general education and that special or technical study which is necessary in order to fit a student for some definite career.—*Nature*.

Irish News.

Brevities.

Mr. C. H. Fielding, Ph.C., Cork, has been elected a Fellow of the Chemical Society, London.

At the inaugural dinner of the Galen Masonic Lodge 437, in Belfast (see *C. & D.*, April 6, p. 36) the chair was occupied by the newly installed W.M., Bro. J. C. Culbert, who gave the customary loyal and Masonic toasts. R.W. Bro. J. S. Reade, P.G.S.W., responded on behalf of the Masonic Province of Antrim, and R.W. Bro. Colonel Sharman Crawford, D.L., M.P., Grand Master, on behalf of the Masonic Province of Down. Bro. Huston Lancashire proposed the Masonic charities, which was responded to by R.W. Bro. W. Mahaffy. R.W. Bro. Colonel Sharman Crawford gave the sentiment of the newly installed W.M., which was heartily drunk. "The Visitors" was responded to by Bro. W. J. Hardy and Bro. J. Ritchie. A musical programme was gone through during the evening.

Drug and Surgical-appliance Contracts.

The following are additional contracts for drugs and surgical appliances which have been entered into by Irish Boards of Guardians. The percentages indicated are the discounts allowed by the contractors off the standard list of the Local Government Board:

Union	Medicines	Surgical Appliances
Bailieborough	Boileau & Boyd, 10%	John Callan & Co., 18½%
Belfast...	F. Storey, Ltd., 20%	S. Connor & Son, 17½%
Boyle ...	Boileau & Boyd, 10½%	Clarke & Co., 16½%
Callan ...	Boileau & Boyd, 7½%	Same contractors
Carrickmacross	Boileau & Boyd, 7½%	Clarke & Co., 17½%
Castleblayney	F. Storey, Ltd., 12½%	Clarke & Co., 18½%
Castlecumber ...	Boileau & Boyd, 10½%	Fannin & Co., 15%
Clonmel ...	Boileau & Boyd, 11½%	Fielding's Pharmacy, 23%
Dundalk ...	F. Storey, Ltd., 15%	Clarke & Co., 19½%
Ennisceorthy ...	Boileau & Boyd, 8½%	Same contractors, 12½%
Gorey ...	Boileau & Boyd, 10½%	Fielding's Pharmacy, 13%
Lismore ...	Boileau & Boyd, 10%	Fielding's Pharmacy, 23%
Mullingar ...	Boileau & Boyd, 10½%	S. Connor & Son, 15%
Newtownards	Boileau & Boyd, 12½%	S. Connor & Son, 15½%
Omagh...	F. Storey, Ltd., 15½%	Clarke & Co., 19½%
Trim ...	Boileau & Boyd, 7½%	S. Connor & Son, 15%
Youghal ...	Cork Chemical and Drugs Co., 12½%	Fielding's Pharmacy, 23%

Scottish News.

Brevities.

Another postponement of the opening of the British Industries Fair in Glasgow has been found inevitable. The Fair will be held during the last fortnight of August.

There already exists an acute shortage in photographic apparatus for civilian use. Chemists have within the past week been approached by wealthy devotees of the camera with a view to purchasing entire stocks, but in few cases have the dealers been willing to "sell out."

Scottish Chemists' Retail-price List.

The following are some of the alterations in the current issue of the Scottish Chemists' Retail-price List: *Drugs*.—Amyli pulv. (potato), 2d. oz., 2s. lb.; aq. lavand., 1s. oz.; coriandri fruct., 3d. oz.; eau de Cologne, 1s. 6d. oz.; glucose, 1s. 6d. lb.; hamatox. lig., 1s. 6d. lb.; hexamin., 3d. dr.; lin. camph. amm. meth., 5d. oz.; mel opt., 3d. oz.; oxymel scillae, 4d. oz.; liquorice pellets, 8d. oz.; pot. brom., 3d. dr.; sodii hyposul., 1s. lb. *Proprietarys*.—Dinneford's Fluid Magnesia, 10d. and 1s. 11d.; Glycothymoline, 1s. 9d., 3s. 3d., and 5s.

Edinburgh.

Some firms are offering saline in bulk, but are unable to supply it in tins.

April 15 will be observed as the Edinburgh spring holiday. Wholesale houses will be closed.

Mr. A. F. Caddell, chemist and druggist, has passed the third examination of the Conjoint Edinburgh and Glasgow Board of physicians and surgeons.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

CHEMICAL RESEARCH CO., LTD. (P.C.).—Capital 2,000l. Objects: To carry on business as research and manufacturing chemists, technologists, manufacturers of chemicals, drugs, food specialities, insecticides and germicides, pharmaceutical, galenical, and medical preparations, etc. R.O., 72 Coombe Lane, Wimbledon, London, S.W. 19.

JOHN STOW & CO. (HESSLE), LTD. (P.C.).—Capital 10,000l. Objects: To take over (if thought fit) the business of wholesale, retail, and manufacturing chemists and druggists, soluble essences and tincture manufacturers, importers of essential oils, etc., carried on by H. J. Stow at Hessle, East Yorks, as "John Stow & Co." R.O., Thornton Works, Hessle.

BRITISH PHOTOGRAPHIC MANUFACTURERS' ASSOCIATION, LTD.—Registered as a company limited by guarantee, with 100 members, each liable for 5l. in the event of winding up, to promote and protect the interests of the British photographic trade. The first directors are: E. W. Houghton, Strathairn, Teignmouth Road, Cricklewood, London, N.W.; F. E. Greenwood, Park Road, Barnet; F. J. Jenks, 18 Richmond Road, Ilford; J. Hill, 2 Neeld Crescent, Hendon, London, N.W.; E. B. Cook, Lyncroft, Woodford Green; G. M. Bishop, Clere, Wellgarth Road, Hampstead, London, N.W.; J. A. Sinclair, 57 Stradella Road, Herne Hill, London, S.E.; T. Illingworth, Ellerslie, Willesden, N.W. 10; W. S. Hobson, Stoughton Street Works, Leicester; G. F. S. Rothwell, Town Lane, Moberley; A. G. Pickard, Redcroft, Hale; F. Butcher, 4 Eliot Vale, Blackheath, London, S.E.; A. Edwards, The Little House, Warwick. R.O., Sicilian House, Southampton Row, London, W.C.

TAYLOR'S DRUG CO., LTD.—The preference dividend at the rate of 6 per cent. per annum for the half-year ending March 31 was paid on April 1.

CALE CHEMICAL CO., LTD.—At extraordinary general meetings on March 1 and 19 it was resolved to wind up this company voluntarily and an agreement was approved between the company, Jas. Burrough, Ltd., and Pierson, Morrell & Co., Ltd. Mr. Ernest Jas. Burrough, Hutton Road, Lambeth, London, S.E. 11, was appointed liquidator, and a meeting of creditors was called for April 9.

LEVER BROS., LTD.—Presiding at the annual meeting, held on March 26 at Port Sunlight, Lord Leverhulme said the company are still producing all the glycerin they possibly can for the Government, and this is being supplied to the Government at pre-war prices, notwithstanding the fact that the increased cost of production merely for wages and chemicals is close on 4l. per ton above pre-war costs. This, of course, is exclusive of the increased cost of fats. The position of the soapmaker with regard to glycerin is as if the Government had commandeered from the farmers the total production of cream at the pre-war price for cream; the result would be, of course, that the remaining milk would have to be sold at a correspondingly higher price than would otherwise be the case if the Government paid for the cream at the ratio of increased cost that properly belonged to the cream. The world's price for glycerin is about four times the British Government requisition price, so that the company are selling glycerin at a quarter of the world's price. A matter which gave the company some concern was the fact that it had been communicated to the company that the Government are seriously considering the prohibition of the manufacture of toilet-soap (see *C. & D.*, March 30, p. 35). Lord Leverhulme was at a loss to understand this. "In the first place," he said, "it would throw many thousands of workpeople out of employment in the United Kingdom. In the second place, the fats used in toilet-soap making give a larger proportionate yield of glycerin than any other soaps, and it is glycerin we must have to win the war. In the third place, the process of toilet-soap making is one of drying, and the drier the soap the more lasting it is; in other words, a tablet of toilet-soap, being a dried tablet, will outlast the equivalent in weight of undried laundry soap. The reason alleged for the threatened prohibition is that toilet-soaps are a luxury. Toilet-soaps have ceased to be a luxury. However, I feel confident that we shall be suitably heard before any change is made, and that such a change will never be made, as such prohibition would be directly against the economical use of the fat-supply of the United Kingdom and the production of glycerin."

Legal Reports.

Contracts with Enemies.—In the King's Bench Division on April 9, Mr. Justice Bray heard an action brought by the Rio Tinto Co., Ltd., against eleven Austrian firms and one German firm to revoke contracts for the purchase by the defendants of large quantities of washed sulphur ore. The actions were all undefended, and it was pointed out by the commercial manager of the plaintiff company that the ore was used for the manufacture of sulphuric acid, which is employed in the manufacture of munitions, explosives, fertilisers, and dyes. His Lordship ordered that the contracts in each case should be abrogated from the commencement of the war.

The Dentists' Title.—In the King's Bench Divisional Court on April 9, before Justices Darling, Avory, and Shearman, a case came up for consideration in which Mr. Samuel Blain had been convicted at Shrewsbury for falsely professing to be a dentist. Mr. Blain while in the witness-box at Shrewsbury County Court, in answer to the Judge, stated that he was a dentist, but it was subsequently found that he had not been registered. Mr. Norris, on behalf of Mr. Blain, contended that the conviction was bad. Mr. Blain had made the statement in the County Court, and his claim to the title did not impose on any intended patient. By a majority the Court upheld the conviction. Mr. Justice Shearman dissenting.

Salicylic-acid Plant.—In the High Courts Official Referee's Court on Wednesday, April 10, Mr. Muir Mackenzie gave judgment in the action by the Lennox Foundry Co., New Cross, to recover 220*l.*, balance of account for supplying plant for the manufacture of salicylic acid from Mr. J. H. Whittaker and others, trading as the Warrington Drug and Chemical Works. The defendants counter-claimed for breach of contract (*C. & D.*, April 6, p. 37). The contract, said the Referee, was contained in letters upon which the defendants gave an order for the plant, specifying the prices for the component parts, which amounted together to 880*l.* The defendants specified certain charges which the plant was to be capable of turning out. Part payment was made with the order, and part was to be paid on delivery. The plaintiffs contended that there had been an acceptance by defendants of conditions as to the capabilities of the plant in regard to the output, but he could not hold that there had been any modification of the plaintiffs' obligations, or that the defendants were compelled to accept a plant inferior in capacity to that originally contracted for. The plaintiffs had clearly broken their contract, as the plant which they supplied was not capable of producing the stipulated quantity. In estimating the damages he had to take account of the amount that would be required to be expended to give the defendants the output to which they were entitled. He gave judgment for the defendants on the claim and counter-claim for 530*l.*, allowing the defendants 750*l.* on the counter-claim, of which 220*l.* was a set-off against the plaintiffs' claim. Judgment was accordingly entered for defendants.

Pharmacy Acts (Ireland).—A number of summonses, at the suit of the Pharmaceutical Society of Ireland, for breaches of the Pharmacy Acts and the Sale of Poisons Act, were heard at the Tipperary Petty Sessions on April 4. Mr. Bennett (Chairman of the Magistrates) informed Mr. Meeke (solicitor for the Pharmaceutical Society) that the Magistrates had decided to state a case for the opinion of the King's Bench Division in the case of Michael O'Brien, against whom a summons charging him with selling arsenic contained in Cooper's sheep-dip had been heard on March 21 (see *C. & D.*, March 30, p. 37). The first cases taken up were seven summonses against J. W. Kissane & Co., Ltd., 65 Main Street, Tipperary. In three summonses they were charged with keeping open shop for dispensing and compounding medical prescriptions, and not employing as assistant or manager a duly qualified pharmaceutical chemist or licentiate apothecary to manage and conduct the shop and the dispensing and compounding of medical prescriptions, contrary to the Pharmacy Act (Ireland), 1875, and the Amendment Act of 1890. In three other summonses they were charged with keeping open shop for selling, retailing, and mixing poisons, and not employing as assistant or manager a duly registered chemist and druggist, or registered druggist, or pharmaceutical chemist, or licentiate apothecary. In a seventh summons they were charged with having sold Cooper's sheep-dipping powder containing a preparation of arsenic and failing to make the prescribed entries in the poison-book required to be kept by the Sale of Poisons (Ireland) Act, 1870. Mr. Meeke, for the prosecution, said the defendant company carried on business as chemists, and without any qualified assistant as

required by Section 17 of the Act of 1890. Until about a year ago Mr. Wright, a pharmaceutical chemist, had been manager and assistant. He had, however, been appointed a dispenser by the military authorities as a whole-time employment, and the case for the prosecution was that the business was carried on and prescriptions compounded without any qualified person being in charge. It was alleged that Mr. Wright came down every evening from the military barracks, but it was obvious that, even if this allegation were true, such an attendance did not constitute management of the shop and conduct of the sales as required by the Acts. The company was formed in October 1911, Mr. J. W. Kissane, who has no pharmaceutical qualification, being governing director, with forty-eight out of the fifty shares issued. Mr. Meeke read extracts from the articles of association to show that Mr. Kissane was the supreme authority in the company. He also read billheads and labels of the defendant company in which they described themselves as "Official Chemists and Dispensers to his Majesty's Forces" and "Chemists and Opticians to his Majesty's Forces," and he also read a circular in which they stated that all prescriptions had the careful attention of a fully qualified and experienced pharmaceutical chemist. There was as a matter of fact, Mr. Meeke said, no such person. The prescriptions in respect of which the summonses were brought were made up and the sales of poisons took place on different dates and at different hours of the day, and on none of these occasions was Mr. Wright present. Some of the sales were made and prescriptions compounded by an unqualified person named O'Reilly, and others by Mr. J. W. Kissane. The case was a bad one, and it represented a deliberate and determined effort to evade the law and carry on the business without regard either to the law or to the public safety and the public interest. Mr. Patrick Butler, inspector to the Pharmaceutical Society, gave evidence of purchase, etc. He also saw O'Reilly compounding the prescriptions which were presented. Witness also bought laudanum, linseed-meal, and turpentine from O'Reilly, and three pennyworth of oxalic acid and one packet of Cooper's sheep-dip from Mr. Kissane. The certificate of Mr. Thorp, the analyst, was admitted. Mr. Maher, for the defence, submitted that there were extenuating circumstances. Mr. Kissane had a qualified assistant whose services had for some time past been placed at the disposal of the military at the local Command Depot in the daytime, but he was always in the shop in the evenings. And although, admittedly, prescriptions had been compounded by a person not duly qualified, all the important prescriptions were held over to be attended to by the qualified assistant. Mr. J. W. Kissane was examined, and stated that Mr. Wright attended every evening, and prescriptions were held over for him. The business was carried on properly and under supervision. If Mr. Wright was required during the day they sent for him, but had not done so for the past five months. The defendant company was fined 10*s.* on each of the seven summonses, with 1*l.* 6*d.* costs in the case of each.—Mr. Joseph English, Main Street, Tipperary, against whom four summonses were issued, was fined 5*l.*, with 1*l.* 6*d.* costs, on one summons charging him with having kept open shop for retailing or dispensing poisons. The other three summonses were withdrawn, as were also summonses against an assistant. They all arose out of the sale of Cooper's sheep-dip in the defendant's ironmongery shop.—A similar ruling was made in the case of the summonses arising out of the sale of sheep-dip in the ironmongery establishment of Mr. Davis Kelly, Davis Street, Tipperary.—Miss Margaret O'Ryan and Miss Nell O'Ryan, 15 O'Brien Street, Tipperary, were charged in a series of summonses with having kept open shop for the compounding or dispensing of medical prescriptions, and for retailing or dispensing poisons, and with having sold poison. Mr. Meeke said the business had been carried on by the late Dr. J. F. O'Ryan, who was a licentiate of the Apothecaries' Hall, Dublin, and he had left it to the two defendants by his will. They had no legal right to continue the business. An arrangement was arrived at between Mr. Meeke and Mr. O'Dwyer (for defendants) by which each of the defendants was fined 5*l.* on one of the summonses issued against her, making 10*l.* in all, the remaining summonses being withdrawn, and the defendants signing an undertaking that within four weeks they would either dispose of the business or put it into a form in which it would be conducted legally.

We understand that considerable attention is being given to the question of a remunerative working of orthoclase, and that so far the results are full of promise, and may render us independent once and for all of the supplies of potash hitherto almost exclusively obtained from the remarkable deposits at Stassfurt in Prussian Saxony.—*Lancet*.

Births.

BRANDER.—At 1 Carden Terrace, Aberdeen, on April 1, the wife of Lieutenant B. M. Brander, R.A.M.C., Ph.C. (assistant editor of THE CHEMIST AND DRUGGIST), of a daughter.

CROWDEN.—At Edinburgh, on April 1, the wife of J. S. Crowden, H.M. Transport Service (son of Mr. S. G. Crowden, chemist and druggist), of a daughter.

GOLDSWORTHY.—At 67 St. Quintin Avenue, North Kensington, London, W., on April 8, the wife of G. H. Goldsworthy, chemist and druggist, of a daughter.

Marriages.

RILEY—DAVIDSON.—At All Saints' Church, Clayton-le-Moors, recently, Second-Lieutenant James Conley Hunter Riley, Lancashire Fusiliers, eldest son of Mr. James Riley, manufacturing chemist, Oakenshaw, Clayton-le-Moors, to Margaret Davidson, Elmhurst, Rock Mount, Altham.

SHERWOOD—MILNE.—At St. Congan's Church, Turriff, on April 3, by the Rev. G. L. Duff, M.A., George Walter John Sherwood to Jeannie Murdoch, fourth daughter of the late Mr. George Milne, chemist and druggist, Turriff.

WHITEMAN—HOLTON.—On April 1, at Fakenham Congregational Church, Leonard S. Whiteman, Norwich, to Freda Mary, eldest daughter of Mr. J. C. Holton, chemist and druggist, Fakenham (formerly of Sheffield).

Deaths.

BISHOP.—At Welshpool, on April 4, Mr. William Bishop, chemist and druggist, aged fifty-six. Mr. Bishop qualified in 1884, and after carrying on business at Cardiff and Grantham, took the Welshpool pharmacy of the late Mr. George Davies in 1896. He married in 1886, and was predeceased by his wife, who died in 1906, and by his only son, Lieutenant Charles Trevor Bishop, who was killed in action on March 29, 1917 (*C. & D.*, 1917, p. 352). Mr. Bishop was a member of the local Conservative Club, but never sought public office. He had of late been afflicted with a painful illness.

CHAPMAN.—At 6 Cromwell Road, Hove, on March 21, Mr. Spencer Chapman, aged seventy-four. The late Mr. Chapman founded the firm of Spencer Chapman & Co., manufacturers of sulphuric and muriatic acids, etc., which later became Spencer Chapman & Messel, Ltd.

CORMACK.—At Hope Street, Corstorphine, on April 2, Barbara Slater, wife of Mr. John Cormack, chemist and druggist.

HELM.—At Bromley, Kent, recently, Mr. Henry James Helm, I.S.O., F.I.C., F.C.S., aged seventy-nine. Mr. Helm, who was a native of Padiham, joined the Inland Revenue staff in 1859, and two years later entered the Inland Revenue Laboratory by competition. In 1898 he became deputy-principal in succession to Mr. Bannister, and retired under the age limit in 1904, after forty-five years' service. He was a juror at the Exhibitions in Paris (1900), St. Louis (1904), and Brussels (1910). He was for some time, while at the Inland Revenue, a superintending analyst in charge of chemical matters affecting the assessment of revenue, and was esteemed by a wide circle for his kindly disposition.

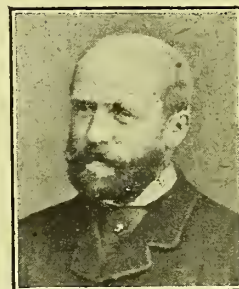
JONES.—At Princess Alice Hospital, Eastbourne, on March 30, after a brief illness, Mr. Alfred B. G. E. Jones, chemist and druggist, aged fifty-seven. Mr. Jones had for the past thirteen years been manager to Mrs. Tompsett, 163 Seaside, Eastbourne.

LESTER.—At Maryville, Summerhill, Cork, on April 3, after a long illness, Mr. Thomas Richard Lester, Ph.C. (T. R. Lester, Ltd., chemists, Patrick Street), aged seventy-three. Mr. Lester founded the business with which he was associated in 1868, and was one of the first pharmaceutical chemists registered in Ireland under the 1875 Act. He was well known in the commercial life of Cork, and took an active part in the work of religious and philanthropic organisations. The funeral took place on April 5.

SPICER.—At the Casterbridge Nursing Home, Dorchester, on March 31, Eva, wife of Mr. William S. Spicer, Ph.C., 13 Cornhill, aged twenty-five. Mrs. Spicer had been seriously ill for five weeks, following childbirth. The funeral took place on April 2, and was largely attended,

among those present being representatives of the Machine-gun Section of the Volunteers, of which Mr. Spicer is a member.

STEDMAN.—At Great Plumstead House, Norwich, on April 6, Mr. James Henry Stedman, J.P., proprietor of "Dr. Stedman's Teething Powders," aged eighty-five. Mr. Stedman was born at East Rudham, and after qualifying as L.S.A. and M.R.C.S., commenced in 1864 in North London the manufacture of his "Gum Lancet" teething-powders. In 1881 he decided to have a less active share in the management of his business, and took up his residence in his native county, Norfolk, where he was subsequently appointed a Justice of the Peace. Latterly he had become known as an enthusiastic and successful grower of roses. The funeral took place on April 9.



MR. J. H. STEDMAN.

THOMPSON.—At 3 Elderslie Road, Eltham, London, S.E., on April 9, Mr. Edward Cumming Thompson, B.Sc., late manager to Spencer Chapman & Messel, Ltd., Silvertown, aged forty-six.

Died on Service.

BARKER.—Private Arthur W. Barker is reported killed in action, aged twenty-one. Prior to enlistment Private Barker was an assistant with the Lancashire Drug Co., drug-store proprietors, Rosegrove.

CLEMON.—Private Stanley F. Clemon, Rifle Brigade, was killed in action in France on March 22, aged eighteen. Till enlistment he was apprentice to Mr. William Ralph, Ph.C., Burnt Ash Hill, Lee, London, S.E.

FEATHERSTONE.—Lieutenant W. Davies Featherstone, M.C., R.F.A., is reported killed in action on March 23. Lieutenant Featherstone was the younger son of Councillor W. B. Featherstone, M.D., Erdington, and a grandson of Mr. W. B. Featherstone, F.C.S., for many years with Southall & Co., Bull Street, Birmingham. He had been on active service since 1914.

GALE.—Second-Lieutenant Ralph Goulstone Gale, R.E., was killed in action on March 26. Second-Lieutenant Gale qualified as a chemist and druggist in 1905, and was for some time in business at Tunbridge Wells, trading as Dunkley & Rogers. He joined the R.A.M.C. early in the war, and was subsequently transferred.

KEMP.—Second-Lieutenant L. A. Kemp, Loyal North Lancashire Regiment, has died, on service, of wounds. Second-Lieutenant Kemp, who served his apprenticeship in pharmacy with Ekins & Fisher, chemists, St. Albans, enlisted in January 1915, and received his commission in August 1916.

PARE.—Second-Lieutenant Charles Percy Pare, Machine-gun Corps, died in action in France on March 23, aged thirty-seven. Second-Lieutenant Pare, who prior to enlistment was with H. B. Pare & Co., chemists, Bolton, went out to France two years ago, and was commissioned last year.

PEOVER.—Private James William Peover, Manchester Regiment, died in hospital abroad, on April 3, of wounds received in action. Private Peover joined the Army in March 1915, and was previously an assistant with James Woolley, Sons & Co., Ltd., Manchester.

SMITH.—Second-Lieutenant Thomas Rowland Smith, Camel Corps, died in Palestine of wounds, on March 13, aged twenty-eight. Prior to the outbreak of war Second-Lieutenant Smith had, from the age of eight years, lived with his uncle, Mr. John Henry Smith, Ph.C., Bridge Street, Newark, with whom he served his apprenticeship in pharmacy. In August 1914 he was called home from Edinburgh, where he was studying, and was mobilised with his regiment, the Sherwood Rangers. In his last letter to his uncle he wrote cheerfully of his life in the Camel Corps, and the news of his death came as a great shock. Four of his brothers are on active service.

SPRECKLEY.—Bombardier Alfred Spreckley, R.F.A., has died on service, from wounds, aged twenty-two. He enlisted, shortly after the outbreak of war, from the Melton Mowbray branch of Boots, Ltd.

SUDLOW.—Second-Lieutenant H. S. Sudlow, Worcestershire Regiment, was instantaneously killed by a shell in France on March 29. Second-Lieutenant Sudlow was the only son of Mr. T. Wilson Sudlow, chemist and druggist, Malvern, and had seen considerable service, having been in the Battle of the Somme.

Personalities.

MR. WILLIAM ALEXANDER, chemist and druggist, ex-Provost of Banff, has been appointed an honorary Sheriff-Substitute for Banffshire.

SIR JESSE BOOT has acquired a controlling interest in the "Nottingham Journal and Express," hitherto known as the "Nottingham Daily Express."

THE remarks made by Mr. J. W. Deakin at the Council-meeting of the Pharmaceutical Society (C. & D., April 6, p. 39) were wrongly attributed to Mr. F. E. Bilson. We regret the error.

MR. EDWARD D. JONES, chemist and druggist, Llangollen, has been appointed Inspector for North Wales under the Ministry of Pensions. Mr. Jones holds several public offices in the Llangollen district.

MR. G. CLARIDGE DRUCE, Ph C., Oxford, has been elected an honorary member of the Northamptonshire History Society (of which he is an ex-President), in recognition of his services in exploring the flora of that county.

MR. D. LLOYD HOWARD has been appointed Hon. Treasurer of the Society of Chemical Industry, in succession to the late Mr. Thomas Tyrer. Mr. Howard is Treasurer of the British Pharmaceutical Conference, and well known in the drug-trade as a director of Howards & Sons, Ltd., chemical-manufacturers, Ilford.

MR. EDWARD C. DAVIES, who recently passed the Minor examination, is the younger son of Mr. Thomas Davies, Chorlton-cum-Hardy (representing Evans Sons Lescher & Webb, Ltd.), and was apprenticed with Mr. E. F. W. Thorp, chemist and druggist, Princess Road, Manchester. In March 1916, when nineteen years of age, he joined the Colours, and served in the Shropshire Light Infantry until discharged for health reasons.

MR. W. HUMPHREY GIBSON, F.C.S., who is exchanging the position of Councillor for that of Auditor of the Pharmaceutical Society, is a well-known Brighton chemist. He passed the Modified examination in 1869, and started business in Brighton in 1872. He was elected to the Council of the Pharmaceutical Society in 1904, and became Treasurer in 1910—a position which he has occupied ever since. Mr. Gibson was for many years President of the Brighton Pharmacists' Association, and is a director of the Standard Tablet Co., Ltd. He is connected with several local companies, and has acquired a reputation for financial astuteness which has been justified by results.



MR. W. H. GIBSON.

THE Council of the Pharmaceutical Society, having decided that the position of Registrar and Secretary can be a part-time appointment, have recommended that Mr. W. S. Glyn-Jones, M.P., who at present is Parliamentary Secretary, should hold the offices referred to. In the circumstances a better choice could not have been made. Mr. Glyn-Jones is probably the best-known man in the drug-trade, an authority on poison and pharmacy law, and acquainted with every phase of public life. The appointment is, moreover, a triumph for Mr. Glyn-Jones, as those can testify who recall the attitude of Bloomsbury twenty years ago, when this daring innovator was looked upon with the utmost distrust, and every endeavour was made to keep the sacred portals from being profaned by his presence. Now he is to direct the whole machinery of the Pharmaceutical Society. The following main facts in Mr. Glyn-Jones's career are worth recalling, as they form an inspiring



MR. W. S. GLYN-JONES, M.P.

record to young men in pharmacy who have ideas, energy, and ambitions:

- 1869. Born at Worcester.
- 1831. Passed Minor examination.
- 1893. In business as Glyn & Co., at East India Dock Road, London, E.
- 1896. Founded the Proprietary Articles Trade Association.
- 1898. Defended himself in a Sale of Food and Drugs Act case, which was, on a legal point, carried to the High Court.
- 1899. Founded the Chemists' Defence Association, Ltd. Elected a member of Council of the Pharmaceutical Society of Great Britain.
- 1902. Was defendant in the case *Farmer v. Glyn-Jones*, which revived the exemption in favour of chemists who sell "known, admitted, and approved" remedies. Wrote to the C. & D. suggesting the formation of a Drug-trade Appeal Fund, which was started by the proprietors of the C. & D.
- 1904. Called to the Bar of the Middle Temple, London. Entertained to dinner by his colleagues in pharmacy, and presented with a cheque for 550l. Resigned his seat on the Pharmaceutical Council.
- 1903. Appointed Parliamentary Secretary to the Pharmaceutical Society.
- 1909. Published "The Law of Poisons and Pharmacy."
- 1910. Elected member of Parliament for Stepney.
- 1911. Complimentary dinner by Drug-trade. Visited Germany to study the working of Medical Benefit under the State health-insurance scheme.
- 1912. Member of the Select Committee on Patent Medicines.
- 1916. Private Secretary to Minister of Munitions.
- 1917. Private Secretary to Minister of Reconstruction.
- 1918. Registrar and Secretary of the Pharmaceutical Society.

He has also taken a leading part in local affairs, and is an Alderman of the Middlesex County Council and Chairman of the Middlesex Insurance Committee.

Wills.

MR. HENRY SANDS, chemist and druggist, Fenny Stratford, who died on September 15, left estate valued at 3,174l. 6s. 6d. gross, with net personality 828l. 4s. 11d.

MR. JAMES ROSS ANTON, 184 Cromwell Road, S.W., director of Jeyes' Sanitary Compounds Co., who died on January 12, left 87,223l. 8s. 3d., the net personality being 87,113l. 17s. 11d.

MR. JAMES HENSHALL, chemist and druggist, 83 St. John's Road, Waterloo, near Liverpool, who died on December 31, left estate of the gross value of 2,678l. 6s. 9d. gross, with net personality 1,302l. 2s. 5d.

MR. CHARLES GRIMWOOD NUNN, chemist and druggist, Hadleigh, Suffolk, formerly of Ipswich, who died on December 20, left estate valued at 4,961l. 7s. 5d. gross, with net personality 4,934l. 7s. 10d.

MR. JOHN EASTWOOD, 6 Sholebrooke Avenue, Leeds, managing director of Slade & Bullock, Ltd., manufacturing chemists, who died on November 19, left estate of the gross value of 52,310l. 15s., of which 42,027l. 0s. 5d. is net personality.

MR. EDWARD DIXON, Baden House, Princess Avenue, Kingston-on-Hull, chairman of Blundell, Spence & Co., Ltd., Hull and London, who died on January 5, left property of the value of 50,935l. 0s. 2d., the net personality being 38,787l. 14s. 6d.

MR. JOSEPH BIRCH SALTER, Bank House, Hanwood, Salop, formerly carrying on business as a chemist in Castle Street, Shrewsbury, who died on December 15, has left property of the value of 20,809l. 1s. 9d., the net personality being 15,896l. 0s. 10d.

CAPTAIN ROLAND BEVINGTON GIBBINS, Warwick Regiment, Fayrestowe, Wellington Road, Edgbaston, a director of J. & E. Sturge, Ltd., manufacturing chemists, Birmingham, who was killed in action in France on December 3, has left property of the value of 15,859l. 12s. 9d.

MR. WILLIAM WORTHINGTON CHURCH, chemist and druggist, Field Head, Alderley Edge, who died February 22, left estate of the gross value of 18,487l. 3s. 8d., of which 17,303l. 8s. is net personality. Among the bequests are 50l. each to his former apprentices, Joseph Richardson and Henry Scarlett.

Trade Notes.

THE FRAME FOOD CO. is at present unable to supply Frame Food Jelly owing to various manufacturing difficulties brought about by the war.

WASTE-PAPER.—The Eburite Paper Co., Ltd., Amberley Road, Paddington, London, W. 9, makers of corrugated paper, are advertising in this issue for waste-paper.

THE TRENCHMAN HOLDALL.—Under this name May, Roberts & Co., Ltd., 7-13 Clerkenwell Road, London, E.C. 1, are advertising a waterproof holdall for soldiers and sailors. It is sold empty or filled, and forms a useful present for anyone with the Forces.

EUSALINE.—Geo. Walker & Son, Ltd., Reid Street, Bridgeton, Glasgow, in an advertisement in this issue bring before our readers the advantages of Eusaline. The saline, which retails at 1s. 9d. per bottle, is to be extensively advertised in the coming season.

DAISY POWDERS.—Daisy, Ltd., Mammoth Works, Leeds, have been compelled to increase the price of Daisy headache-powders. The retail prices are now—Single powders, 1½d. each; packets of ten powders, 10½d.; packets of twenty powders, 1s. 6d. The wholesale prices are given in an advertisement in this issue.

ALLENBURYS MALTED FOOD, No. 3.—Allen & Hanburys, Ltd., Bethnal Green, London, E. 2, have increased the price of their malted food, No. 3, as follows: 1s. size to 1s. 3d.; 2s. size to 2s. 6d. The other sizes are discontinued for the present. The wholesale prices have been fixed so as to maintain the customary profits to the retailer.

BRITISH SALICYLATES.—We mentioned some time ago that the London Chemical Works, Ltd., Southall, were extending their plant for the manufacture of salicylic acid and sodium salicylate. This extension has now been carried out, with the result that the increased output enables the company to meet all demands. The quality of the products is being maintained at the highest standard.

The Pharmaceutical Examinations.

THE following candidates passed at the April examinations:

EDINBURGH.

Major Examination.

Hindley, Harry, Liverpool.

Minor Examination.

Alexander, Helen M., Porth.	Harris, Harry, Leeds.
Carnie, John W. O., Tweed- dale.	McBain, J. C. M., Aber- deen.
Fraser, Oswald A., Ban- ghory.	McGonigal, E. L. C., Dun- dee.
Gailey, Robert M., Paisley.	Sanderson, W. J., Peebles.
Graham, Margaret A., Johnstone.	Short, Peter, Irvine.
	Tomlinson, Ada E., Wood- lands.

LONDON.

Major Examination.

Appleyard, Frederiek N.	Williamson, Annie.
Marti, Eugène.	Winch, H. Constance M.
Newcombe, Vera.	

Minor Examination.

Beynon, Henry T., Pen- maen.	Kempster, Elsie E., Bir- mingham.
Cofman-Nicoresiti, Jules, Brixton.	Kirby, Albert V., Acton.
Conway, Charles F., South- ampton.	Mayhall, Gertrude M., Harrogate.
Davies, Edward C., Man- chester.	Prance, Geo. J., Pontar- dawe.
diMenna, Francis B., Hud- dersfield.	Richards, W. D., Merthyr Tydvil.
Duck, Richard W., Whit- church.	Sherwin, Geo. W., Hamp- stead.
Gardner, Arthur C., Stroud.	Watt, Lillian Ida M., Burnham.
Kelynnack, Wm. G., Hayle.	Wrigley, Kitty, Wiltshire.

WEST INDIAN SPICES.—Nutmegs and mace are the principal spice products exported from Grenada. There has been a steady upward tendency in production for the past six years. The 1916 crop was very satisfactory, amounting to 1,940,965 lb., and good prices were realised, the value being 49,092l.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," March 13, 1918.)

"WELLSWORTH"; for scientific instruments, etc. (8), and for surgical instruments, etc. (11). By American Optical Co., 14 Mechanic Street, Southbridge, Mass., U.S.A. 381,463/4. (Associated.)

Circular device of head of woman with long hair, and "L'OREAL" with picture of woman shampooing hair; for perfumery, etc. (48). By E. Schueller, 7 Rue du Louvre, Paris. 377,875/6. Device of shield and armour headpiece; for perfumery, etc. (48). By F. S. Cleaver & Sons, Ltd., Gould Road, Twickenham. 380,442.

"CARINA" on oval device of lady and cupid; for perfumery, etc. (48). By S. W. Lane, 20 Little Portland Street, W. 1. 380,739. (Associated.)

"SALVEX" on label; for toilet preparations (48). By G. Smith, 147 Manchester Road, Broadheath, Altrincham. 381,284.

"DENTOLAV"; for perfumery, etc. (48). By Boot's Pure Drug Co., Ltd., Nottingham. 381,744.

(From "The Trade-marks Journal," March 20, 1918.)

"FLUORA"; for fertilisers (2). By The Health Aids Supply Depot, 41 Margaret Street, W. 1. 381,610.

"PANTOFOLIN BRAND MEDICINE"; for all goods (3). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 377,851. (Associated.)

"WESDENCO"; for medicinal chemicals (3), surgical instruments, etc. (11), and for perfumery, etc. (48). By The Western Dental Manufacturing Co. (1914), Ltd., 75 Queen's Road, Bristol. 381,238/239/240. (Associated.)

"HOLROYD"; for medicinal chemicals (3), food-substances (42), and for perfumery, etc. (48). By H. O. Lloyd, 321,323 Coventry Road, Birmingham. 381,459/460/461. (Associated.)

"ORION" and "PLEIADES"; for medicinal chemicals (3). By Linton, Hubbard & Andrew, 72-75 Fenchurch Street, E.C. 3. 381,835/836.

"SYZOLINE" for goods (4), and "FRITOL" for edible oils (42). By Sterns, Ltd., 16 Finsbury Square, E.C. 2. 381,697/819.

"BEAVER BRAND" under picture of same; for mineral waters, etc. (44). By C. Machen & Hudson, Ltd., 42 Great Howard Street, Liverpool. 381,199.

"PEARS' GOLDEN SERIES," with device of "Bubbles," bottles, etc. ("Golden Series" disclaimed); for goods (47), and for perfumery, etc. (48). By A. & F. Pears, Ltd., 71-75 New Oxford Street, W.C. 1. 380,118/119. (Associated.)

Device of woman with tub of water and letterpress in Spanish; for goods (47). By Lever Bros., Ltd., Port Sunlight. 381,164. (Associated.)

"ANGLODOL"; for toilet articles (48). By Sir R. A. Cooper, Bart., Chemical Works, Berkhamsted. 380,998.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

47/57, "Windsor Hair Lotion"	48/53, "Berato Cream Soap"
48/4, Lewton's rat cure	49/71, "Magic Oil"
48/70, Belltraver's accouchement sets	49/2, Richmond's horse-powders
49/1, "Cano" feline remedies	50/15, "Cepe" toilet-paper
	48/70, Acheson's tooth-powder

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Adhesive plaster, 17/63	Horsford's acid phosphates, 4/25
"Antexema," 37/70	"Hygeia" feeding-bottle, 17/64
Aquaperia (Harrogate) Water, 15/36	"Iglodine," 193/48
"Bipp" paste, 16/61	Incubator thermometers, 7/19
Birley's phosphorus prepara- tions, 244/40	"Inecto" hair-colouring, 4/60
Bromural, 12/61	"Inolak," 204/8
"Cascarets," 24/39	"Insectox," 24/39
Cassell's tablets, 32/24	Jamieson's electric ointment, 1/42
Clarkson's embrocation, 190/21	"Kenrosa" preparations, 236/41
"Climax" weed-killer, 255/63	Langdale's essences, 25/42
Chin's lecitlin, 196/2	"Ledigen," 14/53
"Cloyer Cream," 12/63	"Nalthor" tablets, 30/42
Doan's pills, 16/45	"New Matik" hair-brush, 253/17
Drug grinders, 11/68	"Omnium" bandages, 9/71
Duval's cosmetics, 1/42	"Opsol," 12/14
Rilman's embrocation, 16/45	"Pynoline," 20/52
"Externax," 17/65	Scott's pills, 31/70
"Ferroleum," 242/2	Sharratt's "Compact" fumiga- tor, 246/24
Fidler's anti-rheumatic plates, 195/27	"Tourniquet" brand record syringes, 181/51
"Riggen," 12/62	
Gallic acid, 32/13	

Observations and Reflections.

By Xrayser II.

A Lady Candidate

for the Council is, I believe, a unique phenomenon in our history, and this fact alone should be sufficient to excite more than the usual amount of interest in the coming election. Surely there breathes not a pharmacist with soul so dead that he will not be stirred to vote on such an occasion. Personally I hope to see Miss Margaret Elizabeth Buchanan returned at the head of the poll, but I shall think meanly of the man who, holding opposite views to mine with regard to "the sex," abstains from recording his opinion, and those who vote at all may be expected to vote for more than one candidate. The result should be such a total vote as we have never before seen, and a large vote, however it goes, is a good thing in itself. I have, however, faith to believe that the greater the number of voters the more likely is the success of the Progressive cause. May I urge members not to vote until the Progressive programme is in their hands?—Your promised series of articles embodying the views of candidates should be a guide to electors, but I hope these replies will be a little less cloudily worded than Mr. Leo Joseph's, from which I can gather little or nothing definite. Vague generalities expressed in mixed metaphors rather hide than reveal any meaning there may be behind them. Mr. Campkin is plainer and more to the point in his reply, but he commits himself to one demonstrable fallacy; it is simply impossible to make the Council thoroughly representative under the present system of election. This is a point of the very first importance; until the Council is thoroughly representative we are hopelessly handicapped in all our attempts at other reforms, and a pledge to make this his first object ought to be exacted from every candidate.

The President's Speech

on the curriculum at the Council-meeting of April 3 was curiously and almost abjectly apologetic. He pleaded, like the young lady with the illegitimate baby, that it was a very little one, and, like her too, seemed to think that this would be accepted as sufficient excuse for its premature appearance. He admitted that its appearance is premature, that great educational changes affecting the whole of our national life are close at hand, and that as yet we do not know "where we shall be" in relation to them. On these changed conditions, he said, any scheme of ours will be "very largely dependent," and whatever we do now may have to be indefinitely modified to fit them. The question inevitably arises, Then why not wait until we do know where we stand? The curriculum is no more urgent now than it has been in all the years we have been debating it but doing nothing; if we have been awaiting an opportunity, why rush in now, just before it is ready for us, with a scheme that may have to be radically altered twelve months hence? "Oh," says Mr. White, "but mine is such a small one; it can be fitted to any emergency; true, it is worth little in itself, it is not more than about half what it should be, but how adaptable it is! It can always be altered." Two or three members were apparently not entirely satisfied of this, and Mr. Campkin went so far as to hint that possibly a curriculum is not necessary for everybody (which is a fact); but the suggestion that, curriculum or no curriculum, our educational system might more easily be made to profit by and harmonise with the new conditions if we waited to know what they are to be instead of blindly anticipating them was not made by anybody. Yet surely it is sufficiently obvious. Of course the report was adopted.

The Debate on the Secretaryship

was equally unsatisfactory, and here again, after the expense of much eloquence, a foregone conclusion was reached; the report was adopted. The real objection to Mr. Glyn-Jones's appointment, though it was glanced at by Mr. Sargeant, who made a

good stand against it, was not mentioned by the other speakers. It is not that Mr. Jones is already Secretary to the Proprietary Articles Trade Association—though it is peculiarly unfortunate that the two horses he will ride run courses so widely apart and in some respects so divergent—but that he will not be a whole-time Secretary. Everything that was said by the President and other speakers as to the "troubled times in front of us" emphasises the necessity of having for a post of such importance as our secretaryship has become a man not only of exceptional ability and energy, but one without distractions and able to devote all his powers and time to our service. In most respects Mr. Jones is the ideal person for the post, but it is clear that even his supporters have doubts as to his being strong enough for all that he is undertaking. In all this I do but echo what was said in the Council; it might be ungenerous to dwell upon it now the appointment has been decided upon, were it not that a principle is at stake, the upholders of which need to have their hands strengthened and their action vindicated.

The Other Vacancy

in the Square will be deeply regretted by all who have ever used the library. Living for the greater part of my life at a considerable distance from London, and rarely visiting it, I met the late Mr. Knapman two or three times only, but I have received many kindnesses from him, and unfailing attention not only to the duties but to the courtesies of his office marked all his correspondence with me. I remember yet the reverential care with which he handled a rare volume of great value on the only occasion on which I visited the library for the purpose of consulting it; and I always pictured him as receiving back with a sigh of satisfaction any similar volume I returned by post. Evidently he knew and loved the books in his charge, and though I know nothing of him beyond what is implied in what I have said, I am sure that his life gave the lie to what I once heard another librarian declare as an axiom generally accepted in his profession: "The librarian who reads is lost."

Membership of the Pharmaceutical Society,

it has been contended, should follow automatically upon qualification; the fee paid for examination should entitle the successful candidate not only to registration as a chemist and druggist, but to life-membership of the Society as well, no annual subscription being required of him. But the fees paid, say, at Oxford, for the degree of Master of Arts, do not make a man a life-long member of the University; if he desires to remain on the books of his college he has an annual subscription to pay for the privilege and what it entails, and the principle does not seem to be any different in our case. Qualification is one thing, membership is another, and each has to be paid for separately. If our fee for registration were increased to the present life-membership fee, plus the present fee for examination, many would be debarred who would otherwise qualify, and the result would be twofold—fewer pharmacists and an impoverished Society. The former effect would probably be welcomed by some of our "high-flyers," for they tell us that only by reducing our number can we improve our status, but I cannot follow their reasoning, especially if reduced income went along with reduced numbers, as ultimately it would. And what about qualified assistants, the most crying want of the time, or about those members who are now paying yearly subscriptions? Must they all pay a commuted life-membership fee, or continue to subscribe as at present? Altogether, I doubt whether the "statesmanship" called for to arrange this reform is likely to be forthcoming.

GLYCERIN FROM SOYA-BEAN OIL.—A company formed at Dairen, Manchuria, in 1916 for the exploitation of a new process for hardening bean-oil by hydrogenisation has paid a dividend of 8 per cent. on the first year's working. The company consumed 273 tons of bean-oil and produced 232 tons of stearin, 10 tons of pure glycerin, $3\frac{1}{2}$ tons of crude glycerin, and about 27 $\frac{1}{4}$ tons of olein.

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D.1. Cale Distillery, Hutton Road, LAMBETH, S.E. 11.

Don't Load Yourself WITH HIGH-PRICED SACCHARIN TABLETS

When tablets manufactured from British-made Saccharin are available we shall cancel any orders we may have in hand for the higher-priced tablets made from imported Saccharin.

The amounts remitted we will place to our customers' credit, and as soon as circumstances permit we will send equal value in the cheaper tablets to retail at fixed prices.

In the meantime we offer to regular customers only tablets made from imported Saccharin at the following prices:—

100's	200's	500's	1000's
22/6	44/-	106/-	210/-
Per lb. 120/-			

NOTE.—There are no fixed retail prices for tablets made with imported saccharin, and customers can charge their own prices for these.

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Editorial Articles.

Lard and Oils for Pharmacy.

DURING the week inquiries have reached us regarding "neutralised seconds castor oil," which the General Medical Council permit to be used in British Pharmacopœia preparations. The castor oil hitherto employed in medicine has always been the first pressings from decorticated seeds, "seconds" oil having been employed for lubricating-purposes and used in the textile industries. The oil is submitted to a neutralising process, whereby the fatty acids are reduced to about 0.5 to 0.25 per cent. The Pharmacopœia authorities have not sanctioned the use of neutralised seconds castor oil for internal medicinal purposes, but nevertheless experiments have been made with the oil, which have shown that although the taste is less pleasant than "medicinal firsts," the oil may be employed internally with safety. A considerable quantity has been released by the Ministry of Munitions, and is finding its way into retail pharmacies. The oil will be recognised by its greenish colour and distinctive taste as compared with the medicinal oil. The oil is also adapted for veterinary consumption, but supplies should be conserved as much as possible, as the amount released is limited, and only supplied on the rationing principle.

There is to be no allowance of lard for pharmaceutical purposes, nor will nut oil, rape oil, or cottonseed oil be

available for use in medicine. Olive oil and sesame oil will, however, be furnished in limited quantities.

The Ministry of Food has entrusted the RATIONING Drug Club with the distribution of supplies of the following products: Olive

oil (pharmaceutical grade), sesame oil, linseed oil, coconut oil, palm oil and oleic acid. The quantities furnished will enable wholesale druggists to manufacture the necessary supplies of galenic preparations, and will leave a sufficient surplus for them to supply pharmacists and manufacturers with their requirement of these oils on a basis of their 1917 purchases. The Pharmaceutical Society is co-operating in this matter with the Drug Club in so far as the retail interests of pharmacy are concerned. Wholesale druggists and manufacturers of medicinal preparations who have previously bought bulk parcels of these oils from importers and who desire an allotment are required to apply for the necessary particulars to Mr. T. Edward Lescher, 60 Bartholomew Close, London, E.C.

A curious piece of by-play is taking place at Bloomsbury. At the Council-meeting on March 6, the President said (the italics are ours):

[Most probably lard and olive oil would] be dealt with in the same way as sugar and glycerin had been by making unofficial the formulæ containing lard and olive oil, or possibly by an Order of the Food Controller making it illegal to use lard and olive oil for anything but purposes of food.

In that case pharmacists would not be able to dispose of stocks they had or to purchase any more. *Experimental work had been commenced some time ago, and had been repeated and extended; and now, as soon as the Order was made, the Codex Committee would be in a position—with the authority of the Council—to proceed straight away with the publication of the formulæ that had been tested and which would give the best results.* He would like to ask the Council to express its approval of the course that was being followed, and then action could be taken whenever necessary without further delay. They would all realise the importance of being able to meet contingencies at once, for, if an Order was made, there was no saying what margin of time would be given. When that happened formulæ should be published at once, so that wholesalers as well as retailers might see what was suggested and so that there might be no delay in changing from the one course to the other.

One would think from this that the formulæ would be produced so soon as the General Medical Council had published the official notice in the "Gazette" and the Ministry of Food had issued the Order prohibiting the use of edible fats and oils for other than food purposes. Instead of that we find the President at the Council-meeting on April 3 holding forth as follows:

The bare announcement of what was now permitted left open the possibility of all sorts of confusion as to what might be done, and the Committee suggested that the Codex Committee be called together forthwith to work out alternative formulæ. By that means they would secure that the formulæ would be uniform, and would be prepared by experienced people.

The explanation of this shuffling is that the C. & D. on February 9 published a series of formulæ for lard-free ointment-bases, and something had to be done at the March Council-meeting to pretend that the Society of Food are issued is it proposed to call the Codex Committee together to work out alternative formulæ. We understand that the Committee was to have met this week, but the C. & D. formulæ have been before the trade for two months, and are already in use as War Emergency Formulæ. We hope the blunder which was made last year will not be repeated of attributing to well-known pharmacists the authorship of sloppy formulæ regarding which they had not been consulted. We should be glad if our readers would note that lard and olive oil have not been withdrawn from the Pharmacopœia, but what has been done is to give permission for the use in dispensing of other ointment-bases and oils in the official preparations in which lard and olive oil are employed.

Water-glass for Egg-preserving.

WE referred recently (C. & D., March 9, p. 43) to the curious position that had arisen owing to the announcement that under the Food-hoarding Order eggs may not be preserved unless they are home-produced. This had resulted in a slump in the demand for water-glass, as it is chiefly purchasers of bulk quantities of eggs who preserve them. The Order would have caused a severe shortage of eggs during next winter—assuming that there would have been sufficient eggs produced this spring and summer to enable thrifty housewives to have laid by a stock. The matter has been brought to the notice of the Food Controller from various quarters, and as a result a general licence has been issued authorising any person to acquire eggs for the purpose of preserving them for use in his own household, provided that notice of the number of eggs to be acquired and preserved is sent to the Food Control Committee for the district in which the person usually resides, and that the number of eggs so acquired does not exceed the number of eggs stated in such notice, or, if objection is taken by the Committee to the number stated, the number permitted by the Committee. A Food Control Committee has power to reduce the number proposed if it thinks necessary, after taking into consideration the size of the household and the quantity of supplies available in the district. It is stated that the Food Controller wishes to encourage the preserving of eggs for use in the household during the winter months, but we question whether many householders will see much encouragement in the terms of the general licence.

Saccharin Tablets.

WE are informed that tablet-makers, having received supplies of British-made saccharin, are now in a position to supply tablets on the terms quoted in the C. & D., April 6, p. 42. The prices mentioned are for the tablets if sold in bottles, tins, or cardboard containers, but if sold in other packages a reduction in price may be made of 1d. per hundred tablets. The maker supplies the tablets to the retailer on condition that the fixed retail prices are observed, and if the prices are departed from the supplies from the maker will be stopped. The tablets may only be sold by the makers to chemists and druggists, drug-stores, medical practitioners, hospitals, or dispensaries, but special provisions are made for sales to wholesale druggists and caterers. The wholesale prices mentioned last week are net, and no longer credit than monthly accounts is allowed by the agreement. The work involved in arranging the scheme has been very great owing to the many interests concerned, but it is hoped that now all the details have been considered the scheme will work smoothly. We have been asked regarding the price of saccharin tablets which chemists have in stock. It is clear that these need not be altered, as the scheme only refers, so far as retailers are concerned, to tablets made from British-made saccharin, which is now all controlled by the Ministry of Food. As regards the tablet-makers to whom British saccharin has been allocated, we believe that an endeavour is being made to get the makers to sell tablets at the same rate, whether made with controlled or non-controlled saccharin.

Sulphuric Acid after the War.

A CLEAR INSIGHT into the complicated position of the sulphuric-acid industry in this country is afforded by the publication of the Report of the Departmental Committee on the post-war position of the sulphuric-acid and fertiliser trades. Briefly, the position is that after the war there will be a great redundancy of sulphuric-acid plants up and down the country, and the problem to solve is how to keep them going profitably. The Departmental Committee has studied the question in all its bearings, and makes a number of interesting and valuable suggestions, among them being one of a national scheme to bring the quantity of plant down to a reasonable commercial limit, and that compensation by the State should be paid to those makers whose plants would have to be scrapped. Many of the newly erected sulphuric-acid plants would be valuable aids to the fertiliser and other industries after the war if they could get sufficient business to keep

them going, and the Committee recommends the inauguration of a policy of enforcing the adoption of fertilisers by farmers where needful. Before the war agriculturists in the United Kingdom used about 743,000 tons of superphosphates, and with the additional land now brought into cultivation it is estimated that the future requirements will be about 1,367,000 tons per annum, so the chief aim will be to turn the plants from a war to a peace footing. The Committee does not forget the importance of science in industries of this nature, and draws attention to the need for improving the status of the technical chemist in the following paragraph: "We consider that it is essential to the success of the chemical industries of the country that the value of men of liberal education who have specialised in chemistry and its cognate sciences and have experience of manufacturing operations should be more adequately recognised." Other recommendations of the Committee relate to the transport of raw materials, acids, and fertilisers, and to means whereby the erection of new acid-works to deal with the gases from zinc concentrates can be avoided. The Report goes into the matter in a thorough manner, and the chief hope appears to lie in the future development of the fertiliser industry in view of the changed attitude which now prevails in regard to home-produced food as a result of the war.

Council Candidates.

II.

We have asked each of the twelve candidates for seats on the Council of the Pharmaceutical Society at the election in May to favour us with his views on pharmaceutical matters. The series began in our issue for April 6.

Mr. Ernest T. Neathercoat.

Is Vice-President of the Pharmaceutical Society, to which position he was elected in 1914, and Chairman of the Local Associations' Executive Committee. He joined the Council in 1909, at which time he was President of the Thames Valley Pharmacists' Association. Mr. Neathercoat passed the Major in 1902, after a brilliant career at the School of Pharmacy. He is in business at Weybridge, where he is Chairman of the Urban District Council and occupies other local positions.

EDUCATION.—The foremost question of policy, and that having the greatest bearing on the future of pharmacy, is education. Our system of pharmaceutical education requires overhauling, with the object of evolving a system that will both meet the modern requirements of the craft and be plastic enough to combine with the Government's new educational proposals. A fixed period of study and training is essential for the adequate education of the pharmacist, and might usefully be combined with a division of the Qualifying examination.



RECONSTRUCTION.—The subject of reconstruction is one that will require an increasing amount of attention from the Council. A start has been made, but I think no effort should be spared adequately to prepare for the condition of affairs that will prevail in pharmacy after the war. The problems arising from demobilisation and the disablement of pharmacists, also the effect of the Government's own reconstruction proposals, including the Ministry of Health, will require close attention.

ORGANISATION.—I have great faith in the usefulness of the Local Associations and of the Pharmaceutical Committees, and as a member of the Committee now engaged on the drafting of suggestions for the improvement of the Society's organisation I have put forward the view that both the Associations and Pharmaceutical Committees should be linked up more closely with the Society by means of some form of territorial representation.

NATIONAL HEALTH INSURANCE.—I have taken a considerable share in the negotiations regarding National Health Insurance matters right from the commencement, and in spite of the increased remuneration we obtained last year I

still affirm that a further improvement in the terms is necessary before the legitimate demands of pharmacists can be said to have been met.

TRADE MATTERS.—I hold the view that the Pharmaceutical Society does, and should, protect the business interests of its members. I feel strongly that a wider conception of its obligations and powers in this respect might be adopted with great advantage to the craft.

ARMY PHARMACEUTICAL SERVICE.—I have taken a great interest in the position of pharmacists employed on dispensing work in the Army, and in the whole question of the Army Pharmaceutical Service. I am strongly of the opinion that there should be a definite pharmaceutical branch of the Army Medical Service under its own officers. The control of medical stores and the dispensing of medicines in the Army should be in the hands of qualified pharmacists, to whom rank should be given in accordance with the importance of the positions occupied by them. The Council has already done much to obtain recognition in the Army service for pharmacists, but further efforts will be necessary to secure our objects.

Mr. Frederic J. Gibson, J.P.

Passed the Qualifying examination in 1881, and purchased his present business at Wolverhampton in 1886. He was the first President of the Wolverhampton Chemists' Association, which was founded twenty years ago, and takes an active part in local municipal affairs. Was first elected to the Council of the Pharmaceutical Society in 1909.

My claim for the support of the members of the Pharmaceutical Society is based on my nine years' service as a

member of the Council, during which time I have been a member of several Committees, of which the Local Associations Executive and the Benevolent Fund have claimed most of my time, and I maintain that in recent years the Society has made progress in every direction, due to the progressive policy of the Council and the zeal and assiduity of its members. In the future, as in the past, I shall endeavour to do my duty and take my share



of the work, for there is no doubt very strenuous and anxious times lie before us which will require all the experience and ability of those entrusted with the task of carrying on the work of the Society. For example, we are losing the services of one of the best of Secretaries that any Society could possess, and I am of opinion that we are very fortunate in securing the services of Mr. Glyn-Jones, M.P., whose ability and loyalty to our craft are too well known to be called into question. There are the work of reorganisation, the regulations of the Qualifying examination, the reinstatement of those who are fighting for us and our country; these and many other matters will have my most careful consideration if I am returned to the Council.

Things Worth Knowing.

By "Hugo."

Never stock cheap shoddy toothbrushes. A shoddy toothbrush is a deliberate client-loser.

Don't lose your temper with an insolent customer. Should reasoning fail, then "Silence is golden."

To powder shellac add a few drops of water, then grind with the pestle. The water gives the starting grip.

Don't let anyone bully you into hastening your dispensing. Be quick by all means, but let your password be "Accuracy."

Don't increase the price of an oft-repeated prescription unless you will actually lose money at the old price. "Repeaters are suspicious of price-changes."

If you wish to enforce punctuality on your staff, make punctuality your own motto. Then you will be in a position to see that your orders are carried out.

Medicinal syrups should always be stored in a cool place. Neglect to do this results in recrystallisation of sugar with precipitation of metallic salts or fermentation of organic bodies.

Don't promise to procure an article by a definite date, but try your utmost to get it. Under present conditions promises should be guarded, then no one will be disappointed.

Associations' Winter Session.

Bradford.—The Bradford Pharmacists' Association met on April 4, under the presidency of Mr. W. Sutcliffe, who reported upon a recent meeting of West Riding chemists at Leeds, on the requisition of the Face Values Committee, and said the meeting was a very representative and enthusiastic one. Mr. W. L. Currie, of Glasgow, who was present as a visitor, said this was a matter which must be very carefully considered. It was the inauguration of a new Association which wants funds for purposes of propaganda. Whilst he was entirely with the movement in favour of face-value, Associations must consider whether it is wise to institute the formation of another body to deal with prices when there is already in existence a body which ought to do it. During the following week a deputation from the Face Values Committee was to visit the Retail Section of the Council of the P.A.T.A., and would very likely be well received, because something of this kind is bound to come along. He asked the meeting to wait until after that deputation's visit before committing itself to any course of action, and this suggestion was adopted. A letter was received from the Leeds Chemists' Election Committee, asking Bradford's support of the candidature of Mr. F. Pilkington Sargeant in the forthcoming election for the Pharmaceutical Council, and it was unanimously agreed that he be supported. Mr. Currie, as a member of the Pharmaceutical Council, then gave an address. He said the craft is at present in a state of flux; and a certain amount of upheaval is likely. The one thing he trusted will not be upheaved is the Charter, and he said that, after careful inquiry, he was convinced that the Charter and the Pharmacy Acts do not intend, and the founders never intended, that the Pharmaceutical Council shall deal with purely trade matters, though the Council might, and does, advise and use its influence in connection with trade interests and many other things which it cannot handle directly. The legitimate functions of the Society are bound up in education, registration, the practice of pharmacy in the dispensing of medicines and vending of poisons, administration of the laws and regulations, and benevolence, to include, of course, the safeguarding of the professional interests of the chemists as well as the safety of the public. There is a strong demand for a better system of organisation, and he believed some good will come out of the deliberations of the Committee which had been sitting for months on the matter. The new by-laws provide for the extinction of the "Minor" and substitution of a "Qualifying" examination, and the Modified examination is done away with. The question of a curriculum is not yet complete, but he was confident that in the near future the method of acquiring pharmaceutical education will be much easier, though as effective as before in training men to carry out their work. As to federation, a big federation for the whole country would be unwieldy and also an unnecessary duplication of organisation, but area federations will do much good work, especially if represented at periodical national conferences. Such organisation will doubtless facilitate the much-desired territorial system of representation on the Pharmaceutical Council, which would prevent the kind of "underhand" tactics indulged in at times by a certain section of London chemists, in the mind of Mr. Currie. He hoped for fuller publication in the future of the Council's doings, and of the directions in which members of the Council exercise their votes. A discussion followed, and, in replying to various points which were raised, Mr. Currie renewed his plea for maintaining professionalism to the fullest possible degree. He disagreed entirely with any idea of lowering the standard of qualification, to that of the Society of Apothecaries, and saw no danger of lack of youths in the future when one remembered how much higher will be the standard of general education in the future. A curriculum may take a student a little longer than before, but his task will be easier and not stiffer. As to the raising of military age, he was afraid that it would have a considerable effect on the craft, and he had fears that some of the existing exemptions may be affected.

Cambridge.—On March 26 the Junior Chemists' Association held a meeting at Croyden Chambers, when Mr. T. J. Mallett gave a very interesting lecture. He first stated that a prize was offered for the best paper written on opium, giving its history from its discovery down to present times. He devoted his lecture to brief outlines of how this might be done from a botanical and historical point of view, and how the drug is standardised and put to pharmaceutical use, enumerating many preparations in

the Pharmacopœia. At the conclusion a hearty vote of thanks was given to the lecturer.

Cardiff.—The Cardiff Pharmacists' Association met at the Angel Hotel on April 9, Mr. J. Murray (President) in the chair. On the proposition of Mr. Joseph, seconded by Mr. Hagon, it was resolved to increase the membership subscription by 2s. 6d. to meet the expenses in connection with the Federation of Local Associations of South Wales and Monmouthshire. Mr. Joseph's candidature for the Pharmaceutical Council was discussed, Mr. Hagon emphasising Mr. Joseph's qualifications and the benefit to pharmacy which might be expected from his return, and it was decided that the Association support Mr. Joseph. A discussion took place on the Presidential address. A resolution in favour of the introduction of the decimal system of weights, measures, and money was ordered to be sent to the Pharmaceutical Society, the Chamber of Trade, and the member of Parliament for the constituency. Mr. Johnson then gave a *résumé* of the work of the Checking Bureau.

Carlisle.—The annual meeting of the Carlisle Chemists' Association was held at the Viaduct Hotel on March 27, Mr. J. J. Robinson presiding. The Secretaries' balance-sheet, showing a balance in hand, was adopted. A long discussion ensued on face-values, and it was unanimously decided to support the action of the Face Values Committee and to give the movement financial assistance. The saccharin situation was also discussed. It was contended that the present position is a very unfair one to pharmacists, owing to the great difference in the prices. It was hoped that the wholesale and retail prices would be fixed, so as to eliminate the unfair competition to which pharmacists were subject at present. The following office-bearers were elected: *President*, Mr. J. Hunter; *Vice-President*, Mr. P. Simpson, sen.; *Joint Hon. Secretaries and Treasurers*, Mr. T. M. Ridley, 6 Botchergate, Carlisle, and Mr. J. W. B. Errington, 16 Scotland Road, Stanwix.

Dewsbury.—The annual meeting of the Dewsbury and District Pharmacists' Association was held on April 8, Mr. W. Blakeley (President) in the chair. The appeal for support of the Face Values Committee was received and discussed, its consideration being ultimately adjourned for a month pending further information. It was unanimously decided to support the candidature of Mr. F. P. Sargeant at the Council election. Messrs. R. Gledhill and John Day (ex-Presidents) were elected honorary members. The Secretary's report and the Treasurer's balance-sheet (showing a balance of 4l. 11s. in hand) were adopted. Officers were elected as follows: *President*, Mr. W. Blakeley; *Vice-Presidents*, Messrs. G. Walker and W. Flower; *Hon. Secretary*, Mr. G. Heughan; *Treasurer*, Mr. Gutteridge. A circular was read from the West Riding Insurance Committee alluding to alterations in the West Riding Formulary. The circular is not thoroughly understood by chemists in the West Riding, but it is said to mean that no prescriptions are to be accepted which contain items from the old West Riding Formulary. The Insurance Committee has been approached in the matter, and the local Associations are awaiting further information.

Great Yarmouth.—The annual meeting of the Great Yarmouth Pharmaceutical Association was held at 156 King Street on April 4, Mr. T. B. Male (President) in the chair. The Secretary and Treasurer presented the twentieth report and balance-sheet, which were read and adopted. The officers elected were: *President*, Mr. J. S. Shearman; *Hon. Secretary and Treasurer*, Mr. W. G. Poll; *Committee*, Messrs. T. B. Male, A. E. Richmond, and F. E. Whitfield. The monthly meeting night was changed from Thursday to Wednesday at 8.30.

Huddersfield.—At the meeting of the Huddersfield and District Chemists' Association on April 5—Mr. V. Shaw (President) in the chair—a letter from the Face Values Committee was read, and it was decided to support the Birmingham resolution on the sale of proprietary articles, and to make a donation to the Face Values Committee's expenses. Councillor Stephens (Chairman of the Huddersfield Corporation Health Committee) expressed the opinion that the time had come when chemists should separate themselves altogether from the sale of patent medicines. Several members, while agreeing with Mr. Stephens, thought the more opportune time to deal with the whole question would be when the establishment of a Ministry of Health was brought forward in a practical shape. A discussion took place on the saccharin question, and some sharp criticisms were passed on the manner in which the matter had been dealt with by the Government, who, it was asserted, had played into the hands of the chief business competitor of the chemists. In connection with the forthcoming Council election it was decided to support the candidature of Mr. F. P. Sargeant.

Ipswich.—A meeting of the Ipswich and District Chemists' Association was held on April 3, the President (Mr. G. N. Edwards) in the chair, when Messrs. Gall and Johnson (Woodbridge), Williams and Gregory (Aldeburgh), and Gooch (Dedham) were elected members. Mr. F. G. Hines, member of the Council of the Pharmaceutical Society, gave an address on *The Square Peg*, his thesis being that the square peg was a misfit in a round hole. Mr. Hines referred to his election to the Council last year as a "Progressive," and said he realised that he had an uphill fight against the inertia and conservatism of that body. He intended at first, he said, to concentrate upon two reforms—territorial representation and federal organisation—and complimented East Anglia upon being to the fore in the latter direction; he referred to the complacency of those in authority in the face of the tremendous problems the craft is up against, and regarded decentralisation as most necessary, as the present system of the Pharmaceutical Society was bound to result in officialism. The Society, he thought, should devote itself to the educational and scientific side of pharmacy, whilst the Local Associations Executive should deal with commercial matters, face-values for proprietaries, co-operation in manufacture, etc. Mr. Hugo Wolff, a candidate at the approaching Council election, also spoke, and expressed his opinion that the L.A.E. was too much under the control of the Society to be able to deal effectively with trade matters; these urgently needed attention in view of great dangers to our commercial success which are now looming in the near future. Mr. Wolff instanced the immense strength of the co-operative movement and the multiple-shop companies; he considered the Society should have made more use of the title M.P.S. by advertising this qualification. Mr. Wolff also referred to the exactions of the various "rings" in the trade, and then dealt with the Face Values Committee, showing that its work could not be undertaken by the Society, the L.A.E., or the P.A.T.A. He also discussed the inadequate payment for Insurance dispensing, alleging that a fee of 5d. per prescription was fully justified, and went on to criticise the so-called "check" of prescriptions carried out by the Pharmaceutical Society. A motion that the Association support the candidature of Mr. Wolff was unanimously carried.

London (E.).—The monthly meeting of the East London Chemists' Association was held at "The Restaurant," Limehouse, on April 4, the President (Mr. A. R. Keith) in the chair. The meeting was an "open" one, for the purpose of discussing members' own present-day business problems, doubts, and difficulties. Most of those present had grievances to air, which were all satisfactorily dealt with. Mr. Kirkpatrick, a candidate for a seat on the Council, then addressed the meeting, giving his views on pharmaceutical subjects of the moment. He freely criticised the moribund L.A.E., and stated that had there been a proper trade body with executive powers the late saccharin stunt would not have taken place. Regarding the Secretaryship of the Society, he considered it should be a whole-time appointment. A curriculum would have his hearty support, as he was of opinion that chemists needed a thorough scientific training now more than ever if they were to keep pace with the advancement going on all round. A motion was unanimously passed pledging the members to give Mr. Kirkpatrick their votes and to do their utmost to secure his election.

London (W.).—The Western Pharmacists' Association met at the Restaurant Frascati, Oxford Street, on April 10, Mr. W. E. D. Shirliff (President) in the chair. There was a good attendance. Reports of meetings of the Pharmaceutical Committee and the London County Executive having been read by the Vice-President (Mr. C. A. Noble), the question of sugar permits for May was raised, and after discussion the matter was referred to the London County Executive. Three new members were nominated. A subsistence allowance of 5s. per meeting was announced as the sum agreed upon for each member of the Pharmaceutical Committee. The President then called on Mr. A. R. Melhuish to address the meeting on *Some Dangers to Pharmacy, and the Need for a Constructive and Defensive Policy*. Premising that a most momentous period for pharmacists was approaching, Mr. Melhuish said that they were confronted with two classes of problems—those that might be regarded as dangers to the Pharmaceutical Society, and those that were potential dangers. Dealing with the latter first, he mentioned the proposed Education Bill, and expressed a wish that the Council of the Society would draft a national scheme of pharmaceutical education. He felt that a curriculum would be futile unless there were adequate educational facilities, which should not be too expensive. If the Qualifying examination were divided, science subjects should be taken first. The movement towards a Ministry of Health showed the vital importance of having a Parliamentary representative of pharmacy. National Health Insurance

had consolidated pharmacy, and should be retained by chemists, especially in view of the possible inclusion in the near future of the dependants of insured persons. Having touched on the Army status of the pharmacist-soldier, the reinstatement question, and the reconstitution of the L.A.E. on a territorial basis, Mr. Melhuish passed to the problems that might be considered dangers. There was the permissive clause of the 1908 Act, which might result in a strenuous fight for the admission of Apothecaries' Hall assistants and Army compounders to the ranks of pharmacy on easy terms. It was significant, he thought, that the Apothecaries' Hall was turning out big pass-lists and enforcing a nine-months' curriculum. There was also the suggested assistants' qualification, about which he frankly confessed that he had changed his opinion. He had come to see that it might be a good thing, forming a stepping-stone to the Qualifying examination. The question of a State medical service would need watching; and finally there was the controversy over the title of the pharmacist. An effort would be made to wrest the word "chemist" from those to whom it legally belonged, and there should be a considered plan in readiness at Bloomsbury Square. Later in the evening Mr. J. Keall gave an account of his impressions of three years' work on the Council, and outlined his policy and aims. Mr. J. D. Marshall, in a characteristic speech, expressed the view, amid applause, that the education of the coming pharmacist would have to be extended and his hours shortened. Mr. Ellerington urged the superior claims of the title "pharmacist" which, he said, was his "King Charles's head"—and made some timely suggestions on dispensing prices. He wished that the "Pharmaceutical Journal" could be made a freer organ, less confined to the expression of official statements. It had several times lately, he said, been wrong in legal matters—e.g., about the Venereal Disease Act. The Chairman and Messrs. B. R. Wilkinson, W. Browne, Allen, Hampshire, and Lloyd also took part in an animated discussion, and at the close a cordial vote of thanks to Mr. Melhuish was accorded.

Southend.—A meeting of the Southend-on-Sea Association of Pharmacists was held at 167 High Street, on April 5, the Vice-President (Mr. R. H. Shields) presiding. In connection with the recent effort of the Association to obtain better remuneration on proprietaries, the Secretary stated that he was in receipt of a number of replies from manufacturers. These were read and commented on. A letter was read from Mr. Hugo Wolff stating the policy and aims of the Face Values Committee, and requesting the support of the Association. This letter was productive of much discussion, and on the proposal of Mr. J. H. Heywood, seconded by Mr. G. H. Dawson, a resolution was carried supporting the action of the Committee and approving of its policy, but deprecating any attempt to work otherwise than in harmony with the Proprietary Articles Trade Association. A letter from the Dublin and Provincial Retail Drug Association requested the Association to write to a number of manufacturers with regard to the small amount of profit derivable from the sale of their proprietaries. This had already been done.

Warwickshire.—A meeting of the Warwickshire Pharmaceutical Association was held at Leamington on April 27, Mr. Hutton presiding, when it was decided to join hands with the Face Values Committee, to obtain the support (if possible) of the multiple stores, and to subscribe, at the rate of 1s. per member of the Association, to the funds of the Committee. The Secretary was instructed to send a report of the meeting to every pharmacist in the county, except at Birmingham and Coventry, and to ask them, if not already subscribing members of the Proprietary Articles Trade Association, to make a point of joining as soon as possible. A copy of "War Emergency Notes" is to be presented to every member of the Association. It was decided to hold the next meeting on a Thursday.

Business Changes.

MR. JOHN LORIMER has moved to 10 City Road, London, E.C., his offices at Balfour House, Finsbury Pavement, having been acquired by the Government.

J. P. LUCAS & Co., Colonial-produce brokers, Dunster House, Mincing Lane, London, E.C. 3, intimate that Mr. J. P. Lucas has retired from the firm as from March 31, and that the business will be continued as before under the same style by the remaining partner, Mr. H. P. Lucas.

SYRUP FROM MESQUITE BEANS.—It is reported from Texas that the mesquite bean, of which an extensive acreage yields two crops a year, is being used for making a table-syrup.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Report on March Analytical Exercise.

THE powder distributed, to students on March 12 consisted of equal parts by weight of zinc acetate, barium acetate, and sodium acetate. The calculated composition of such a mixture is:

Zn	...	...	...	...	2.8
Ba	...	...	...	...	5.0
Na	...	...	...	...	13.5
C ₂ H ₃ O ₂	...	...	...	...	44.0
H ₂ O	...	...	...	...	34.7
					100.0

Samples of the powder were distributed to thirty-nine students, and fourteen reports were submitted for examination. All our correspondents reported the detection of sodium, but six missed barium, three zinc, and two the acetic-acid radical. Only one student overlooked the evolution of water that took place when the powder was heated in a dry test-tube.

The exercise was a tolerably simple one, and a satisfactory proportion of high scores was attained. In preparing a solution several students observed that with water alone a white substance separated, which dissolved subsequently. This did not occur when cold distilled water was used, but on warming the perfectly clear aqueous solution a white basic salt made its appearance, which re-dissolved in part on cooling, and was at once dissolved by hydrochloric acid.

When the powder was heated in a sublimation-tube or on porcelain it lost much water, and afterwards blackened to some extent. The latter behaviour is exhibited by various acetates; but in this case it was not infrequently supposed to indicate a tartrate or a citrate, with the result that many endeavours were made to obtain further evidence relative to one or other of these, and that the presence of each was actually reported in several instances. Since the appropriate tests could not have yielded positive results for either, the reports must simply be regarded as representing the triumph of preconceived ideas over observed experimental fact.

It seems probable that the sodium carbonate employed in preparing solutions to be tested for acid radicals is exceedingly impure in many cases. Several students report a chloride as a main constituent of the powder, and describe the formation of a curdy precipitate of silver chloride when silver nitrate was added, whereas any chloride really present amounted to no more than a scarcely recognisable trace. When some of the powder was dissolved in dilute nitric acid and silver nitrate was added, no positive indication was obtained at once, and on standing for some time only the faintest turbidity could be detected. The curdy precipitates reported by correspondents must have been due to abundant chloride present in the sodium carbonate, or introduced by some unpardonable flaw in the analytical procedure, and such reports are so common that the presence of chloride as impurity in the sodium carbonate appears to be the more likely alternative. The sodium carbonate should be tested for chloride and sulphate before it is used as a reagent, and it should be rejected if found to contain even traces of either.

A point worth mentioning in connection with this analysis is the reporting of the presence of calcium, as the conclusion arrived at from applying the flame-test to a hydrochloric acid solution of the barium-group precipitate. This result seems to point to that form of colour-blindness in which the difference between reds and greens cannot be recognised.

PRIZES.

The First Prize for the best analysis has been awarded to J. W. B. YOUNG, 33 Square, Kelso.

The Second Prize has been awarded to

A. V. KIRBY, 31 Goldsmith Avenue, Acton, W. 3.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

1. Correspondents who are unqualified:

J. W. B. Young (1st Prize)	...	Corse	...	71
A. V. Kirby (2nd Prize)	95	Melonia	...	70
Vermelles	...	Jayjay	...	66
Carbinol	...	E. M. Oliver	...	63
Mark	...	Somme	...	41
Secundus	...	Digit	...	39

2. Correspondents who are qualified:

J. M. J.	...	69	Snavei	...	92
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TO CORRESPONDENTS.

Vermelles.—Since the acetic-acid solution of the barium-group precipitate contained barium, it could not be tested appropriately for strontium by adding calcium sulphate, as this reagent was certain, if properly applied, to give a precipitate of barium sulphate. The fact that you failed to observe such a precipitate indicates that the test was not applied with due precaution. Your tests by means of ammonium oxalate for barium and calcium seem to be somewhat unconvincing. Flame-tests for potassium and sodium should not be applied solely to the original powder.

Carbinol.—The precipitate you supposed to indicate magnesium was most likely due to some barium which had escaped precipitation as carbonate. Its nature should have been established by applying a confirmatory test.

Mark.—The powder was not insoluble in water. In cold distilled water it dissolved completely, but impurities in tap-water may have produced traces of barium compounds insoluble in water. In any case, by far the greater part was certain to dissolve. Precision in a matter of this kind is always desirable, and it may often be distinctly important.

Secundus.—If your report states accurately what you did, you tested for metals of the barium-group, and for magnesium in the precipitate which consisted of zinc sulphide only, and omitted to test for them in the original filtrate from this zinc sulphide. As you failed to detect barium, it is probable that this is the correct explanation of your failure.

Corse.—The plan you adopted of boiling the powder with sodium carbonate, filtering, testing the filtrate for acid radicals, and dissolving the residue in hydrochloric acid to obtain a solution to be tested for metals, is not of general applicability, and may often occasion serious error. It is much better to adhere to the well-tried and usually effective methods of the best modern text-books. We experienced no difficulty in obtaining the film of metallic zinc which you describe as "not producible."

Melonia and Jayjay.—Your failing to detect barium and reporting the presence of calcium seem to have arisen from a too hasty conclusion that the acetic-acid solution of the barium-group precipitate did not yield any precipitate of barium sulphate on adding calcium sulphate. Time must be allowed for the appearance of this precipitate in dilute solutions.

E. M. Oliver.—Your test for sodium was not convincing, since you applied it to a solution to which you had already added sodium phosphate. Your failure to obtain a precipitate of zinc sulphide on adding hydrogen sulphide to an alkaline solution of the powder is not easily explained.

Somme.—As evidence for the presence of an acetate you adduce the production of a red colour with ferric chloride, discharged by hydrochloric acid and by mercuric chloride, overlooking the fact that the colour of ferric acetate is not discharged by mercuric chloride. You should at least try the reactions you report.

J. M. J.—Ferric chloride does not produce a precipitate in cold neutral solutions of acetates. The precipitate of basic ferric acetate is obtained on boiling.

Snavei.—Mere boiling of the hydrogen-sulphide filtrate is insufficient preparation prior to the addition of ammonium chloride and hydroxide as iron-group reagents. Boiling with a few drops of nitric acid to ensure conversion of any ferrous salt into ferric salt is also essential as a precaution, although its omission on this occasion was not a cause of error.

THE ANALYTICAL TOURNAMENT.

The results of the March competition have made some changes in the order of the students nearest the top of the list. The feature of the present position is the close contest for the third place. The following six students have attained aggregates of 350 marks or over:

Single Seidlitz	...	457	Melonia	...	371
Snavei	...	396	E. M. Oliver	...	355
Jayjay	...	375	Corse	...	350

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, April 11, 3 p.m.

THE week has been very quiet in chemicals and drugs, few changes having taken place. The Man-Power proposals have been the principal topic in City circles, and it is felt that a serious situation may arise, as many businesses of vital importance are run by men between the ages of forty and fifty, and many proprietors themselves are now eligible for military service. This naturally has a paralysing effect on business in many directions. As regards pharmaceutical chemicals, stocks are gradually being reduced on the spot in such a manner that it is small wonder prices have not gone appreciably higher. The Government do not yet appear to have sensed the situation in regard to maintaining the supply of valuable medicinal chemical imports, which require comparatively little storage space, whereas preference seems to be given to articles of far less importance and value. The quicker the Government recognises the imperative necessity of granting more licences for the importation of these essential products the better it will be for the country. As it is prices are forced up here, and suppliers abroad take advantage of this condition, and compel consumers to pay more than they otherwise would. Among the price-changes is a further advance in potash bromide. Cream of tartar, clove oil, vanillin, and camphor monobromide are dearer. Turmeric, cascara sagrada, canary and caraway-seed are held for higher prices. Bleaching-powder, isinglass, and saccharin are cheaper to buy. English camphor is 5*d.* dearer.

Higher	Firmer	Easier	Lower
Arrowroot	Cascara	Agar-agar	Aloes (Cape)
Calumba	sagrada	(c.i.f.)	Bleaching-
Camphor	Fenugreek-	Copper	powder
(Eng. ref.)	seed	sulphate	Condurango
Camphor	Kola	Gamboge	Honey
monobromide	Wax, veg.	Wax, bees'	Isinglass
Canary-seed	(Japan)	(auction)	Saccharin
Caraway seed			
Clove oil			
Cream of tartar			
Nutmegs			
Peppermint			
oil (Amer.)			
Potash			
bromide			
Sarsaparilla			
Turmeric			
Vanillin			

Cablegram.

NEW YORK, April 11.—Business is quiet. Oil of gaultheria (genuine oil of wintergreen) has been advanced to \$4.25, and cascara sagrada to 14*c.* American camphor is also dearer at \$1.11½ for lump, and cream of tartar has advanced to 65*c.*, rochelle salts to 41*c.*, and tartaric acid to 78*c.* per lb.

ACETANILIDE.—Inquiry is much more brisk, but supplies are still obtainable at 6*s.* per lb.

AGAR-AGAR.—Sales of Japanese No. 1 strip have been made at 3*s.* 8*d.* to 3*s.* 6*d.* per lb. for April-June shipment, being easier, and for parcels afloat 4*s.* 1½*d.* has been paid; spot price is 4*s.* 8*d.* to 4*s.* 9*d.*

ALCOHOL.—The probability is that there will be an increase in the spirit-duty when the Budget is introduced next week,

and experts place the rise at 10*s.* per proof gallon, so that industrial and methylated spirit and preparations will be affected to this extent.

ALMOND OIL.—True is firm at from 3*s.* 3*d.* to 3*s.* 4*d.* per lb.

ANISE.—Russian is steady at 77*s.* 6*d.* per cwt.

ANISE OIL, STAR, is firm on spot, with sellers of "Red Slip" brand at 4*s.* 4*d.* to 4*s.* 5*d.* per lb. In the drug-auction five cases of "Red Ship" were limited at 4*s.* 4½*d.* per lb.

ANTIMONY.—Chinese crude continues easy, although a little more business has been done this week, prices showing some irregularity in forward positions, in which parcels have been, it is said, secured at 42*l.* to 44*l.* Fair lots are obtainable on the spot at 43*l.* Foreign regulus is neglected, and whereas small lots have sold at 78*l.* parcels are still offering at 74*l.*, the supply being rather larger, due to fresh arrivals. White oxide of antimony is slow at 56*l.* c.i.f. United Kingdom.

ARROWROOT is dearer, sellers asking 1*s.* 4*d.* for good manufacturing St. Vincent.

ARSENIC still shows considerable irregularity, the position being unsettled, with offers of a fair amount of material speculatively held for some time past now coming out here and there. This chiefly accounts for the wide margin in values, which puzzles some people, who are still holding out for 140*l.* to 142*l.* 10*s.* for best Cornish powder, usual basis 99 per cent. Fairly large parcels of Cornish could be secured from firms doing a regular business at 150*l.* for April-May delivery in London, which material was presumably originally secured at much lower prices, and thus leave to holders a considerable margin of profit. Resales are induced to some extent by the idea that top has already been touched. Inferior foreign material, running about 98 per cent., including Japanese, was recently sold at around 110*l.* c.i.f. United Kingdom. Prices for Cornish powder 99 per cent. vary widely also according to quantity, small lots of 3 to 5 cwt. or so probably easily commanding figures equal to 140*l.* and more. It is practically impossible to get trustworthy information in respect of the quantities of foreign material coming into the country under present abnormal conditions.

BENZOIC ACID is still coming forward very slowly from the makers, and prices are likely to go dearer; spot value is about 19*s.* per lb.

BLEACHING-POWDER.—Owing to export permits having been withheld, prices are easier in dealers' hands, and it would be possible to buy at 18*s.* per cwt. in casks.

BROMIDES.—At the present high level of values speculative interest has now waned. For the small stocks available, buyers have paid up to 11*s.* 6*d.* per lb. for potash; soda is still 5*s.* 3*d.*, and ammonia is practically exhausted, but fortunately the requirements for this salt have been pretty well covered.

BURDOCK-ROOT.—A limited quantity of cut Belgian is offered at 150*s.* per cwt. on the spot.

CAMPHOR (REFINED) remains firm, sales including Japanese slabs for March-May shipment at 4*s.* 2*d.* per lb. c.i.f.; on the spot business has been done at 4*s.* 4½*d.*, with sellers at 4*s.* 6*d.* The English refiners have advanced their prices 3*d.* to 4*s.* 7*d.* for bells and 4*s.* 6*d.* for flowers.

CAMPHOR MONOBROMIDE has advanced in the U.S.A., and spot holders are now asking 17*s.* 6*d.*, as against 14*s.* 6*d.* last week; spot stocks are small.

CANARY-SEED continues in good demand at dearer prices. Ordinary to good Morocco has been sold at 220*s.* to 222*s.* 6*d.* per quarter, and fair to good bold Spanish at 230*s.* to 250*s.*

CANNABIS INDICA.—A limited quantity of true Bombay tops are obtainable at 20*s.* per lb.

CARAWAY-SEED.—Stalky Levant has been sold at 225*s.* per cwt., being dearer.

CASCARA SAGRADA.—Spot holders are now asking 150*s.* per cwt. The London stock on March 31, 1918, was 51 tons, against 37 tons.

CASSIA FISTULA is very scarce, with one holder asking 100*s.* for a limited quantity.

CHLORAL HYDRATE remains very firm, and it is reckoned that buyers will have to pay still higher prices, as there is little or nothing coming forward; 13*s.* to 13*s.* 6*d.* is quoted for duty-paid crystals.

CLOVE OIL has advanced to 21*s.* to 21*s.* 6*d.* per lb., according to seller.

COD-LIVER OIL.—Our Bergen correspondent writes on March 20 that the cod-fisheries have made very poor progress. The official report gives the following results up to March 16:

	1916	1917	1918
Catch of cod (millions)	19.4	9.8	5.1
Yield of c.l.o. (hect.)	24,200	15,500	5,600
Liver for "raw" oils (hect.)	2,300	2,200	1,100

The total results up to March 23 were as follows:

	1916	1917	1918
Catch of cod (millions) ...	26.3	14.3	8.2
Yield of o.l.o. (hect.) ...	22,503	21,200	8,600
Liver for "raw" oils (hect.) ...	3,300	2,450	1,550

COPPER SULPHATE.—The market is idle and almost entirely nominal for export, merchants not having the slightest chance of doing business at present, and the nearest quotation is about 66*l.* per ton f.o.b. Liverpool. It is understood that fair quantities are still being exported against old contracts, for which permits were secured prior to the arrangements put into force for France.

CORIANDEER-SEED is steady at 75*s.* per cwt. for good clean Morocco.

CREAM OF TARTAR has advanced a further 5*s.* per cwt. to 420*s.* on the spot.

CUBES are getting scarce, and the market is firm at 18*l.* per cwt. for fair stalky.

CUMIN-SEED is unchanged at 67*s.* 6*d.* per cwt. for good sifted Morocco.

DILL-SEED is firm, with sales of good East Indian at 59*s.* per cwt., without discount.

EUCALYPTUS OIL.—Arrivals continue on a large scale, while the demand is only small. On the spot 70 to 75 per cent. oil is obtainable at 2*s.* 7*d.* and at slightly less for quantity. In auction five cases sold at 2*s.* 6*d.* for 65-per-cent., and five cases at 2*s.* 10*d.* for 76-per-cent. eucalyptol.

FENUGREEK-SEED has fluctuated, the latest quotation for Morocco quality being 50*s.* to 52*s.* 6*d.* per cwt., according to quantity.

GENTIAN is quoted at 90*s.* per cwt. on the spot.

GUM ACACIA.—Sellers of fair Kordofan sorts on the spot quote 90*s.* per cwt., and April-May shipment at 80*s.* c.i.f.

HEXAMINE continues extremely scarce, and, as permits to import are being withheld, the urgent demand cannot be supplied. The Government apparently does not help buyers in their difficulties; 9*s.* to 9*s.* 6*d.* are current values.

KAMALA.—Small sales have been made at 1*s.* 6*d.* per lb.

LEMON OIL in slow demand at 3*s.* 9*d.* per lb. on the spot.

MENTHOL is quiet, with sellers of Kobayashi-Suzuki on spot at 14*s.* 6*d.* In auction five cases of Kobayashi (in prize) sold at 14*s.* per lb.

METHYL SALICYLATE.—With little coming forward, spot holders easily obtain 10*s.* 6*d.* per lb.

MINT OIL.—Spot sellers quote Kobayashi-Suzuki at 3*s.* 11*d.* to 4*s.*, and to arrive at 3*s.* 9*d.* c.i.f. In the drug-auction 20 cases Suzuki (in prize) sold at 3*s.* 9*d.*

MYRRH appears to be unobtainable in first-hand at the moment.

NAPHTHALINE.—Flake can be had at 34*l.* and ball at 75*l.* per ton on the spot.

OILS, ESSENTIAL.—The following quotations are current: Ceylon *Citronella*, 3*s.* 3*d.* to 3*s.* 6*d.*; Java, 4*s.*; *Cassia*, 80 to 85 per cent., 6*s.* 10*d.* spot, 6*s.* 4*d.* c.i.f.; 70 to 75 per cent., 6*s.* 4*d.* spot, 5*s.* 9*d.* c.i.f.; Bourbon *Geranium*, 29*s.* 6*d.* spot, 27*s.* c.i.f.; *Lemongrass*, 70 to 75 per cent., 6*d.* per oz. spot; *Cedarwood*, 2*s.* 4*d.* per lb. c.i.f.; *Palmarosa*, 15*s.* 6*d.* to 16*s.* spot and 15*s.* 6*d.* c.i.f.; *Neroli*, 17*s.* spot; *Bois de Rose Femelle*, 16*s.* 9*d.* per lb. c.i.f.; *French Spike Lavender*, 5*s.* 6*d.* c.i.f.; *French Petitgrain*, 25*s.* c.i.f.; *Paraguayana*, 16*s.* c.i.f.

PEPPERMINT OIL.—Very little American appears to be available on spot, and to come forward or actually afloat the value is about 20*s.* to 20*s.* 6*d.* for finest brands.

PHTHALIC ACID is offered at 29*s.* per lb. in drums on spot.

QUICKSILVER continues extremely obscure, but there are not wanting signs that the placing of orders is more difficult than ever for anything outside of Government work. Business in this connection is doubtless possible at 22*l.*, and perhaps less, but it is believed that 23*l.* has occasionally been paid, while small lots urgently required for various trade purposes have, it is stated, sold at as high as 25*l.* per bottle, which is the extreme price ever recorded. Difficulties in the way of importations must be expected to continue.

QUININE is in little demand. Owing to Government action it looks doubtful if sufficient quantities will be available for the drug-trade during the continuation of the war. According to the latest mail reports from Java the Japanese Government (says the "New York Commercial") has approached the Association of Planters of Cinchona-bark for the allotment of a part of the production. In case these negotiations are successful Japan will build its first quinine factory, thus becoming independent, if not a competitor, of the Western world.

RESORCIN.—Supplies are still difficult to obtain from the Continent owing to congestion of railway traffic, and prices are firmer at from 45*s.* to 47*s.* 6*d.*

SACCHARIN.—The Government arrangements in regard to the supply of saccharin to tablet-makers are now completed, and are referred to on another page. The fixed price of 135*s.* per lb. applies to deliveries of controlled saccharin to tablet-makers and for wholesale druggists' requirements. Mineral-water makers, it appears, will have to buy in the open market from importers, because supplies at the moment are insufficient to meet their demand also. Prices in the open market have been further reduced owing to Government action, and are approaching a more reasonable level, parcels of 550 pure having been unloaded this week in the neighbourhood of 250*s.* to 275*s.* per lb., although some still hold out for higher prices than the foregoing. It is said that the arrivals in Liverpool have been unusually heavy during the past fortnight, but no official figures relating to imports are now published. A New York advice, dated March 26, states that supplies have been accumulating in that port for some time for lack of export permits. Domestic manufacturers have long been facing hardships through inability to obtain supplies of toluol, since the Government is utilising practically all the toluol it can lay its hands on. It is said, therefore, that the production is smaller in the United States. Despite the handicaps imposed by manufacturers of saccharin through shortages in the supply of raw material, an agitation looking towards the rescinding of the Order prohibiting the use of saccharin in food has been made, the ostensible object being to release tonnage now engaged in the Cuban cane-sugar trade for more urgent purposes of the war.

SODA CRYSTALS.—The United Alkali Co., Ltd., notify that the prices of their soda crystals are: 5-ton lots in 2-cwt. bags, 4*l.* 7*s.* 6*d.* per ton net; 5-ton lots in 1-cwt. bags, 4*l.* 15*s.*, carriage paid to any railway station in England, Wales, and Scotland. These prices also apply to not less than 1-ton lots at approved centres.

SODA SALTS.—The following are current spot quotations from dealers' hands: Soda *sulphate*, commercial, in drums, 13*l.* 10*s.* per ton; soda *chlorate* crystals, 1*s.* 1*d.* per lb. in kegs; soda *acetate* in small crystals, 125*s.* per cwt.; *Howard's* have advanced their price of *soda tartarate* (B.P.) to 167*s.* per cwt.; *seidlitz powder* to 132*s.* 3*d.* per cwt.

TARTARIC ACID remains firm at 3*s.* 5*d.* on the spot.

TERPINEOL is firm at 6*s.* 6*d.* per lb. on the spot.

TURMERIC is again dearer, holders of Madras finger asking from 80*s.* to 82*s.* 6*d.* per cwt., with sales at 77*s.* 6*d.* Cochin finger is 65*s.* and split bulbs 50*s.* on the spot. For 115 bags Cochin split bulbs in auction 50*s.* was wanted, and 196 bags of sea-damaged and re-packed Aleppo finger sold without reserve at from 27*s.* to 28*s.* per cwt.

VANILLIN is very firm and dearer at from 67*s.* 6*d.* to 70*s.* per lb., according to seller.

WAX, VEGETABLE.—Holders of Japanese on the spot ask 115*s.* to 117*s.* 6*d.* per cwt., and 110*s.* for February-May shipment.

London Drug-auctions.

Commercial Sale Rooms.

Mincing Lane, E.C., April 11.

At to-day's auctions a fair quantity of the offerings found buyers, but changes in value were few. Cape aloes was flat and from 2*s.* to 3*s.* lower. Zanzibar and Socotrin descriptions are scarce, and good hepatic would realise high figures. No Sumatra benzoin was offered, and for Siam extremely high prices continue to be paid. A nice selection of cardamoms offered, but there is practically no demand. Dragon's-blood continues scarce, and good re-boiled would realise high prices. Honey met with a fair demand at an irregular reduction of about 15*s.* per cwt. Matto Grosso irrecacuanha is steady, the lots of damaged root filling buyers' requirements. Kola again sold at slightly advanced prices. Myrrh is extremely scarce, and for nux vomica higher rates were paid. Rhubarb is flat, and for grey Jamaica sarsaparilla an advance of 3*d.* was paid, while native rose 1*s.* to 1*s.* 6*d.* per lb. on previous auction rates. Tinnevely senna is unaltered, with a quiet undertone; and for beeswax prices were easier compared with private business. The following table shows the amount of goods offered and sold:

	Offered	Sold		Offered	Sold
Aloes—			Belladonna-leaves	5	0
Cape ...	51	11	Benzoin—		
Mocha... ..	15	10	Siam ...	32	13
Zanzibar ...	2	2	Black-alder bark	8	8
Ambergris ... (box)	1	0	Buchu ...	5	0
Anise oil, star ...	20	0	Burdock-root	5	0
Anise, star ...	100	0	Burgundy pitch	3	0
Anatto-seed ...	80	0	Calumba ...	8	8
Apricot-kern. ...	266	0	Cannab. ind. ...	71	*31
Araroba ...	20	0	Cantharides ...	8	0
Balsam peru ...	5	0	Cardamoms ...	193	23

	Offered	Sold		Offered	Sold
Cassia oil ...	40	0	Kola ...	75	74
Chamomiles ...	18	0	Lime oil ...	2	0
Chiretta ...	25	0	Lime-tree flowers ...	5	0
Cinchona ...	63	0	Liquorice-juice ...	50	50
Cinnamon-leaf oil ...	10	0	Lobelia ...	4	0
Colchicum-root ...	1	0	Mastic ...	2	0
Condurango ...	6	0	Matico ...	32	0
Copaiba ...	17	0	Menthol ...	30	0
Coriander-seed ...	450	0	Mint oil (Jap.) ...	20	20
Coumarin ... (tins)	5	0	Musk-seed ... (tin)	1	1
Cubeb ...	7	0	Nux vomica ...	67	67
Cumin-seed ...	25	0	Olibanum ...	233	0
Deer-tongue-leaves ...	5	5	Orange-peel ...	12	4
Digitalis-leaves ...	77	0	Rhapontica ...	40	20
Dill-seed ...	195	0	Rhatany ...	24	0
Dragon's-blood ...	2	0	Rhubarb (Ch.) ...	51	1
Eucalyptus oil ...	10	10	Rosemary-leaves ...	20	0
Fennel-seed ...	106	0	Sandarac ...	5	0
Fenugreek-seed ...	100	0	Sarsaparilla—		
Galangal ...	10	0	Grey Jam. ...	19	19
Galls ...	20	0	Honduras ...	3	0
Gamboge ...	17	1	Native Jam. ...	13	13
Gentian ...	198	0	Savin-leaves ...	10	0
Grindelia rob. ...	7	0	Scopolia ...	4	0
Gum acacia ...	257	0	Senna and pods—		
Henbane ...	20	0	Alex. ...	87	54
Henna ...	40	0	Tinnevely ...	304	1
Honey—			Soy ...	6	13
Australian ...	250	100	Squill ...	124	0
Argentine ...	27	19	Stavesacre ...	7	0
Californian ...	4	4	Stramonium ...	21	0
Chilian ...	120	0	Taraxacum ...	49	0
Cuban ...	88	88	Thyme-leaves ...	40	0
Hawaiian ...	128	128	Tonka-beans ...	6	0
Honolulu ...	321	321	Tragacanth ...	75	0
Jamaica ...	1	1	Turmeric ...	311	196
Porto Rico ...	50	50	Turpentine ...	1	0
Portuguese ...	87	87	Wax (bees)—		
St. Lucia ...	71	35	Abyssinian ...	116	0
Spanish ...	114	114	East African ...	188	35
Hydrastis ...	2	0	East Indian ...	193	4
Insect-flowers ...	10	0	Egyptian ...	103	0
Ipecacuanha—			Jamaica ...	10	0
Matto Grosso ...	31	7	Morocco ...	49	0
Kamala ...	3	2*	Mozambique ...	24	0
Kava-kava ...	11	0	West Indian ...	29	0
Kino ...	6	0	Zanzibar ...	100	0
			Wine-lees ...	13	0

*Sold privately.

ALOES.—There was little demand for Cape, and prices were from 2s. to 3s. cheaper, 11 cases being disposed of at 45s. for fair seconds, from 41s. 6d. to 43s. 6d. for ordinary seconds, and 27s. to 29s. for sweepings and loose collected. Of Mocha aloes 15 kegs offered, of which 10 had been sold privately, the balance being limited at 60s. Two bales of Zanzibar sold at 100s. per cwt. for fair livery hepatic, but with an excess of skins. No Socotrine offered, and privately it is scarce.

AMBERGRIS.—A box of about 62 oz., consisting of one nodule of dark-coated Bombay of fair flavour and genuine, was bought in at 85s. per oz.

ARABICA.—A lot of 20 cases, analysing 56.2 per cent. chrysarobin, was limited at 2s. 6d. per lb.

BENZOLIN.—No Sumatra offered. Of Siam, 32 cases were catalogued and 13 sold, comprising two cases of bold selected loose almonds of good flavour, at 47l. per cwt., and 11 cases of brown and partly blocky siftings, for which 20l. was paid.

BLACK-ALDER BARK.—Eight bags sold without reserve at 8d. per lb.

BURDOCK-ROOT.—For five bales, 152s. 6d. per cwt. was wanted.

CALUMBA.—Eight bags realised the sensationally high price of 11l. per cwt. for common small to medium natural partly wormy sorts.

CARDAMOMS were slow of sale, although a nice selection offered, the undertone being easy. Three cases of extra bold round pale Mangalore sold at 5s., and for extra bold pale, partly warty, 4s. 9d. was paid, and six packages, comprising various qualities and sizes country-damaged, sold at 2s. 4d. A single case of good Bombay seed sold at 2s. 8d. per lb.

CASSIA OIL.—For 15 cases, analysing 83 per cent. c.a., 7s. was wanted, a bid of 6s. 6d. being refused.

CINNAMON OIL.—For 10 cases Ceylon-leaf, analysing 75 per cent. phenols, a bid of 1s. per oz. is to be submitted.

COLCHICUM-ROOT.—A single bale of fair was limited at 6s. 9d. per lb.

CONDURANGO is rather lower, six bales offering at 8½d. per lb.

DEER-TONGUE LEAVES.—Five bales, contents part damaged, sold at 7d. per lb.

GALANGAL.—For 10 bales of fair Chinese a bid of 65s. was refused, the limit being 70s.

GAMBOGE.—Five cases of fair Siam slightly blocky pipe were limited at 35l., at which business has been done privately, and a single case of similar quality sold at 34l.

HONEY was in good demand at an irregular decline of about 5s. per cwt., but practically all the offerings except Chilian (held for 200s.) was disposed of, the following prices being paid: *Argentine* (27 barrels offered and 19 sold), including palish set, 194s. to 196s.; *Cuban* (88 barrels offered and sold), nice pale set at 194s. to 198s., and dull to dullish set, 186s. to 193s.; *St. Lucia* (51 cases offered and 35 sold), fair pasty amber set, 195s. to 198s., and ullaged 192s.; *Spanish* (114 packages offered and sold), nice pale setting in 150-lb. drums, 190s. to 191s.; tins and cases, 194s.; 14 drums dull amber of poor flavour, 174s.; *Portuguese* (87 packages offered and sold), darkish amber setting, 183s. to 184s.; and fair darkish liquid, good flavour (at the close of the auction), 175s. to 180s.; *Porto Rico*, 50 casks offered and sold at 195s. for palish set; 321 cases *Honolulu* (samples of which were on view late on Wednesday) sold at 189s. to 205s.; *Australian*, 250 cases offered and 100 sold at 191s.; *Chilian*, 120 packages offered and held at 200s., while for a further 87 kegs a bid of 196s. is to be submitted for good setting amber.

HYDRASTIS.—For two bales a bid of 30s. was refused, the retail price being 33s.

IPECACUANHA.—Matto Grosso was steady, the demand being satisfied by the sale of 14 bales of slightly grease and sea-damaged, which sold at from 9s. 9d. to 10s. 2d. per lb., as to quality. The value of fair sound Matto Grosso root is 11s. 3d.; a bale of ordinary lean sound sold at 10s. 6d., and common grey thin went at 9s. 7d. No Cartagena offered.

KINO.—For six bags of ordinary foul and woody, 2s. per lb. was wanted.

KOLA again sold at slightly firmer prices, from 10d. to 11½d. being paid for a string of 74 bags West Indian, the higher price being for good bright halves and whole. Privately good West Indian halves have been sold at 10½d.

LIQUORICE-JUICE.—Fifty cases of 2½-oz. sticks (in prize) sold at from 330s. to 340s. per cwt., and ullaged and fresh-water damaged at 320s.

MUSK-SEED.—A single tin of weak flavour sold at 2s. 6d. per lb.

NUX VOMICA sold at again higher rates, 67 bags of fair Bombay going at 58s., and apparently this price was paid for the pickings from this parcel.

ORANGE-PEEL.—Four cases of dullish Maltese strip sold at 6d. per lb., but the better qualities privately sell at 2s. 9d.

RHAPONTICA.—Ten bags sold at 4½d. per lb.

RHUBARB was quiet, only a single case selling at 2s. per lb. for flat wild Shensi, with two-thirds fair and one-third dark fracture. Canton was limited at from 2s. 6d. to 2s. 9d., as to quality, and roughish pickings at 1s. 10d. per lb.

SARSAPARILLA.—A new lot of 13 bales native Jamaica offered and sold at from 3s. 4d. to 3s. 11d. per lb., these prices including good red, red and yellow mixed, and common grey and yellow, quality being second consideration with buyers. These prices show an advance of 1s. to 1s. 6d. on those previously paid. Of genuine grey Jamaica 19 bales offered and sold at 4s. 3d. per lb., irrespective of quality, this including fair grey, also dark part mouldy and rough. Three serox Honduras offered, for which the limit is now 4s. 9d., business having been done at slightly less than this price privately.

SENNA was in slow demand, the few sales including fair green Tinnevely leaf at 5d. to 5½d., good medium, slightly sea-damaged, at 4d. to 4½d., and ordinary small yellowish, and part badly damaged, 2½d. to 3½d. per lb. *Pods* sold at 3d. to 3½d. for dark to fair.

SOY.—Three casks of Chinese sold at 6s. 6d. per gal., duty paid, and for three cases of thin Japanese a bid of 3s. 6d. was refused.

TARAXACUM-ROOT.—A lot of 49 bags of English was retired at 130s. Sales privately have been made at 125s.

TONKA-BEANS.—Eight cases good frosted Para offered, for which the limit was 3s. Angostura are somewhat scarce privately; recent business was done at 7s.

WAX, BEES', was quiet, and from 2s. 6d. to 5s. easier in auction, but privately prices are firm. About 35 bales of Portuguese East African sold at from 8l. 15s. to 8l. 17s. 6d. for dark to fair brown block, and for eight cases of yellow and grey mixed Bombay 9l. 12s. 6d. was paid. Jamaica and West Indian descriptions are slow of sale at from 8l. 15s. upwards. Fair Abyssinian block was obtainable at 9l. to 9l. 10s. per cwt.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Cream-of-Tartar Standard.

SIR.—We are surprised, as makers of cream of tartar, to read in the *C. & D.*, March 23, that the question of allowing in that article 90 parts of lead per million, instead of 20, as now laid down in the British Pharmacopœia, is being considered, because we have not been consulted. Surely when a question of this kind arises an English maker should be allowed an expression of opinion. This increase in the impurities in cream of tartar is suggested because the country is at war. We fail to see the connection. We find no difficulty whatever in complying with the requirements of the British Pharmacopœia, and we therefore suspect the proposal refers to foreign importations. What a wonderful nation we are! After nearly four years of war, brought about largely by the fact that British money has in the past gone in its millions to equip our enemies for the struggle, we still propose, in the interests of the foreigner, to alter an official document, and yet we call it the British Pharmacopœia. And it is to be altered so that his path may be perfectly easy, his trade secured, and every possible inconvenience removed. We are even proposing to go to the extent of swallowing lead to please him. It is a melancholy fact that even now it does not seem to be recognised in England that a manufacturer is a producer of wealth—a real asset to the Empire—yet he is treated as of no account, for it is plain from the above that even technical points of material interest to his industry are discussed by everybody but the people most concerned—the makers.

Yours truly,

For JOHN BENNET LAWES & Co., LTD.,
A. G. PAGE, Secretary.

Face-value for Proprietaries.

SIR.—The Herne Bay, Whitstable and District Association of Pharmacists have sent me a courteous letter embodying their views on "Face-value." They invite an expression of mine in reply. One remark particularly pleases me—namely, that they class me as one of their old friends. This is quite true. I am not one of the late supporters of price-protection, but one of the earliest, and have had to stand all the brunt of price-protection in years gone by. I counted, not in vain, on the loyalty of the trade. Therefore all my sympathy is with the chemist in his just demand for better profits on proprietary articles. A great many, even on the protected list, do not show adequate profit, especially in these times when overhead expenses are so greatly increased; and on my own initiative I increased the selling-price to the public, and gave the chemist still further protected profits—43 per cent. minimum on outlay on the sale of my "Crystal Palace" marking-ink. Therefore, if the trade in general demanded a much higher minimum fixed price by the Proprietary Articles Trade Association on the sale of all proprietary articles, I should support them with all my might; but as regards "face-value," I am not in favour of it. Where is the guarantee that the manufacturers who are in favour would not raise their own price, so that in the end the chemist would not be a penny-piece better off? Further, the more the public are charged, the more restricted will become the demand, and this is not to the advantage of the chemist. The more customers are sent into his shop, the better for him, as it is a good advertisement which costs him nothing. It is for him to use his salesmanship and make them customers for other things too. His true interest is to concentrate on better payment for his services. The way to obtain this is to get together in every town and district and concentrate on higher minimum protected prices, thus urging the P.A.T.A. Council to take action. It is a mistake to do anything that has a tendency to curtail sale. The more advertising is done, the better for the chemist and the manufacturer too. As Vice-Chairman of the Advertisers' Protection Society, Ltd., I know this side of the subject well. Even as it is, with restricted advertisement space, and no advertising space at all in some publications through the paper shortage, all must suffer. Stick to the P.A.T.A. at all costs. I have belonged to a number of Societies and Associations in my time, and worked on their Committees,

but no Society has done anything approaching such good work as the P.A.T.A.—Yours faithfully,

JOHN BOND (LONDON), LTD.

A. BOND HICKISSON, Managing Director.

75 Southgate Road, London, N. 1.

"Apothecaries' Assistants."

SIR.—The letters regarding apothecaries' assistants in the *C. & D.*, March 30 and April 6, may properly be dismissed as sordid examples of special pleading, and are to be deplored as such. The writers should recognise that the sub-section of the 1908 Act was not placed on the Statute-book merely for the relief of those approaching senility. Presumably, were one of your correspondents minus an eye he would advocate that any prospective by-law should only recognise those similarly deficient. Tentatively, I would put forward rather a condition based on precedent. The National Insurance Act by its provisions confers the right to dispense without supervision upon a class that may be totally unqualified by examination, with the proviso that such persons must have been engaged in dispensing in institutions or for medical men for the three years immediately prior to the passing of the National Insurance Act. Here we have something of a tangible nature to go upon. With this in view it is conceivable that a by-law might well be framed confining registration to those apothecaries' assistants, among others, who had been engaged in dispensing for the whole of the three years prior to the passing of the Poisons and Pharmacy Act, 1908, and, what is equally important, during the whole of the subsequent period, or practically so. The fact that many of us have satisfied the educational test imposed by the Pharmaceutical Society has no bearing whatever on the matter. Your correspondent "Alpha," apparently in critical mood, asks what this Association is doing "in this time of stress"? For his edification I will say that the Association has been in communication with the Privy Council on the general question so recently as March 20, and that the assurance received from that august body is regarded as being by no means unsatisfactory or discouraging.—Yours faithfully,

FRANCIS E. TRAYNER,

Hon. Secretary Association of Certificated Dispensers.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

A Warning.

Mr. E. A. Barton, chemist, Palmers Green, N., writes: "A woman came into my pharmacy yesterday morning, posing as a regular customer, and gave the name and address of a resident. She asked for a number of things, and then requested that they should be sent to her. As she had come without her purse, she said, she would pay at the door; and as she had only a 5l. note, would I send the necessary change? I found out afterwards that she had done exactly the same at a neighbour's, who sent the goods and the change (in this case 3l. 18s. 1d.) by the boy. The woman waylaid the boy near the shop and, stating she had in the meantime left the note at the shop, took the change from the boy, sending him on to deliver the goods. These were refused, and on returning the boy found the note was wanting. Fortunately, I was not robbed, as I stipulated that only on receipt of the note would I send the change. The lady is 'wanted' by the police, and any chemist who receives a visit from her would do well to notify them."

Jay Mackisms

(As he Writes them).

1. Mr. Gifford's "pilgrim's progress" is very slow: he thought Mr. Glyn-Jones's ideas on education "objectionable" in 1903.
2. The Council agreed then with "G.-J."; but did nothing for fifteen years except remove the Latin barrier—after the boys had gone to other trades.
3. The opposition to "G.-J." is illogical: profession could not exist without trade. He said that trade, therefore we ought to take over both him and the Proprietary Articles Trade Association.
4. The plain truth is that "G.-J." has to let out the "hot air" from the big gasbag of profession, and prepare us for more health dispensing at poor prices.
5. Helping the Government would surely indicate examinations graded to qualify the best of 30,000 shopgirls now in our trade, and so create a capable staff.
6. Whereas the new examinations appear to me to cater for a class of men who no longer exist in the trade.
7. If that is the Council's preparation for more cheap dispensing, then we need a new Society; but "not on trade-union lines," as Wolff said to Ellie.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. C. H. (24/13).—MIST. OXYMELLIS Co.—The following is the Guy's Hospital formula for this:

Vin. ipeocae. ...	...	...	m℥.
Tinct. camph. co. ...	...	...	℥xxx.
Mist. oxymell. ad ...	...	...	3j.

Mist. oxymellis is oxymel. siii., potass nit. gr. viij., aq. ad 3j.

A. Z. (34/7).—HAMAMELIS CREAM.—The formula for which you ask is as follows:

Stearic acid ...	...	...	5iiss.
Sodium carbonate ...	...	...	3iij.
Glycerin ...	...	...	3iij.
Solution of hamamelis, B.P. ...	...	...	3xij.
Water to ...	...	...	3xxv.

Place the stearic acid in a water-bath, and when it is melted add the sodium carbonate and glycerin dissolved in 2 oz. of hot water. Heat with constant stirring until effervescence ceases, add water to make the product weigh 13 oz., and finally the solution of hamamelis. Stir till smooth, heating a little if necessary, and beat to a foam in a warm mortar.

S. A. G. (27/4).—GRAVY-COLOURING.—The caramel you are using probably contains some uncaramelised glucose or sugar which ferments on keeping. As a rule the addition of salt preserves the gravy-colouring perfectly, but as a further precaution you will require to add a small proportion of salicylic acid (15 gr. to the pound of material).

Nomen (34/15).—SYRUPUS FACITIVUS.—Attention has been called in THE CHEMIST AND DRUGGIST (December 1, 1917, p. 51) to the unsatisfactory directions for making syrupus facitivus published by the Pharmaceutical Society. We believe that most compounders employ a little spirit for moistening the powdered tragacanth, as in making mucilage of tragacanth. There is then no difficulty in the manufacture, and if aq. chlorof., B.P. 1885, is employed in place of the chloroform the operation need only take a few minutes, compared with the days that may be required if the "official" method is attempted.

P. G. (35/17).—COMPOUND LIQUORICE-POWDER.—As a War Emergency Formula the following is a good equivalent of pulv. glycyrrh. co., which has been removed from the Pharmacopœia:

Senna-leaves, in powder,	
Liquorice-root, in powder, of each	2 oz.
Fennel-fruit, in powder,	
Sublimed sulphur ... of each	1 oz.
Saccharin ...	9 gr.
Starch-powder ...	6½ oz.

Mix.

G. W. (36/52).—The object of diluting mercury ointment is to prevent any ill effect on the skin, but even in a diluted form cases sometimes occur where a certain amount of irritation is caused if the use of the ointment is persisted in for some time.

J. E. L. (32/25).—PHARAOH'S SERPENTS.—The chief point to observe in the manufacture of Pharaoh's serpents from mercury sulphocyanide is to avoid the use of diluents as much as possible. Prussian blue is used to colour the pellets so that they are less likely to be mistaken for pills, but we also recommend you to press them into cone-shaped masses. Compound tragacanth-powder is employed as an excipient, but it is perhaps better to use mucilage of tragacanth, and in this respect you can improve the recipe given in "Pharmaceutical Formulas."

J. S. (40/34).—KEEPING LEMONS FRESH.—You might try the method which answers well for some other vegetable products—viz., burying the lemons in dry silver-sand and storing in a cool place.

K. P. H. G. (38/49).—PRACTICAL DENTISTRY.—A treatise in *The Chemist and Druggist Diary, 1910*, dealt with extraction and filling of teeth and taking impressions of the mouth for the purpose of fitting artificial dentures. Coleman's "Extraction of Teeth" (Lewis, 3s. 6d.) deals only with the extraction of teeth, but the five volumes (2s. to 3s. each) of Rose's "Dental Mechanics" deal with various aspects of prosthetic dentistry.

Allotment (37/23).—USE OF POISONOUS SPRAYS.—The lead-arsenate spray employed on fruit-trees for the destruction of caterpillars is very poisonous, and on this account should not be used on ripe fruit, but it may be safely sprayed at any time four weeks before the fruit is gathered. Arsenical sprays are not suitable for use against cabbage-moth, where hand-picking and dusting with gas-lime that has been exposed to the air for three months are resorted to.

R. W. B. (18/53).—CALORIC VALUE OF LIQUID MALT-EXTRACT.—The difficulty here lies in the absence of any standard for liquid extract of malt, but for practical purposes the average of the various analyses of good-quality samples may be taken as follows: Calculating all sugars as maltose averaging 55 per cent., and the protein—chiefly albuminoids—as simple protein to be an average of 5 per cent., 100 grams yields for the carbohydrates 225.5 calories and for the protein 20.5, making a total of 246 calories for 100 grams, whether of the liquid or solid preparation, supposing they are made approximately the same strength. Hutchinson states that a large dessertspoonful of extract of malt containing 20.0 grams would give 60 calories, which is somewhat higher than our experience.

J. R. H. (243/61).—(1) BILE SALTS.—Bile contains the bile salts proper (sodium glycocholate and taurocholate), the bile pigments (bilirubin and biliverdin), a mucinoid substance, small quantities of fats, soap, cholesterol, lecithin, urea, and mineral salts, of which sodium chloride and the phosphates of calcium and iron are the most important. The bile salts are administered medicinally for the purpose of increasing the bile secretion and as laxatives. *Glycocholic acid*, from which the sodium salt may be made, is prepared by adding a drop of hydrochloric acid to fresh bile, shaking and filtering; ethyl ether and hydrochloric acid are then added to the filtrate, the mixture shaken and allowed to stand, when crystals form, which are separated by filtration, purified by washing with water holding hydrochloric acid and ether in solution, and dried in the air. *Taurocholic acid* is obtained from bile by separating lead glycocholate with lead acetate, then precipitating lead taurocholate by lead subacetate. From this the acid or salts are prepared. (2) We are unable to supply the technical details about the construction of the medical coil for which you ask.

E. C. (173/63).—BOOK ON ANALYTICAL CHEMISTRY.—There is no elementary work that covers the range of subjects you refer to. What is needed is access to such books as Allen's "Commercial Organic Analysis" (9 vols.) and Villavecchia's "Applied Analytical Chemistry" (21s.). Both works are published by Churchill.

G. C. (134/46).—BOOKS FOR EXAMINATION.—The University Tutorial Series contains suitable books for use in preparing for the Scientific examination of the Conjoint Board—e.g., Catchpool's "Magnetism and Electricity" (3s. 6d.), and Briggs and Bryant's "Mechanics" (2 parts) (3s. 6d.). These are published by W. B. Clive, Southampton Row, London, W.C.

B. D. (217/32).—SOFTENING ANIMAL SKINS.—It is generally found that moist sal ammoniac rubbed into the flesh side of the hardened animal skin renders it soft. The fur side should be washed in warm soap and water, dried, treated with a small quantity of Turkey-red oil, and brushed to smooth the fur.

W. B. M. C. (213/28).—MANUFACTURE OF OINTMENTS.—Most of the larger works on pharmacy deal with the manufacture of ointment on a large scale. Remington's "Practice of Pharmacy," Caspari's "Treatise on Pharmacy," and Lucas's "Practical Pharmacy" are books of this class. The treatise on "The Art of Pharmacy" which was printed in *The Chemist and Druggist Diary, 1898*, should also be consulted.

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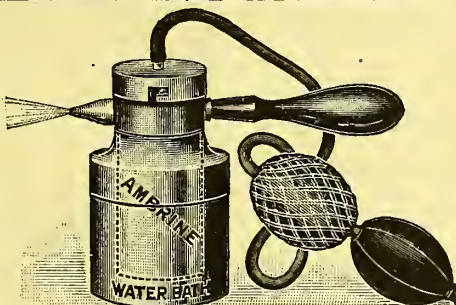
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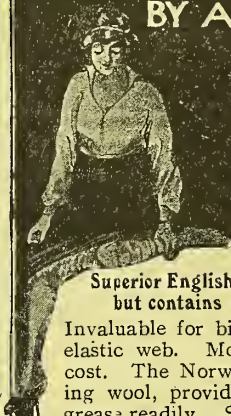
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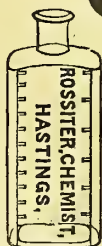
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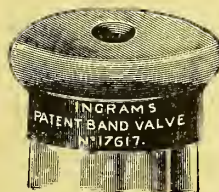
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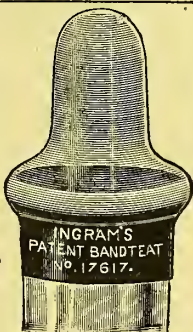
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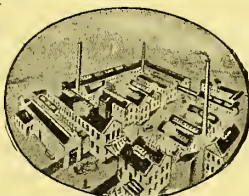


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These requests are from Doctors and Nurses who have availed themselves of the offer of free samples which is inserted in all Sphagnol advertisements, and have conclusively proved how wonderfully efficacious Sphagnol is in the treatment of all forms of Skin Diseases.

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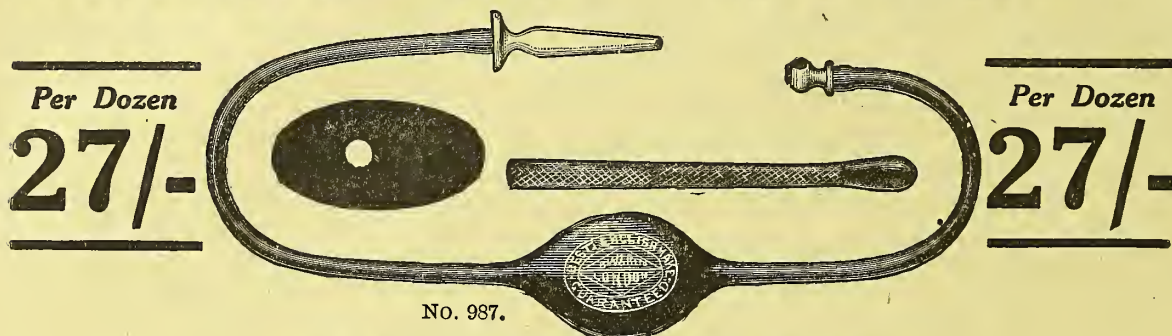
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Please send me carriage paid, with Window Display matter,

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Medicinal Capsules. Fine Chemicals.

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 "YADIL" Antiseptic is now prescribed in all parts of the country. Chemists are advised to place a small quantity in stock to meet demands, as most cases in which "YADIL" is used call for immediate supply. Chemists can obtain through their usual wholesalers, but in cases of delay through unavoidable cause should write direct, indicating the wholesale house through which they wish their order to be charged. For convenience we give prices below.

"YADIL" ANTISEPTIC SOLUTION.

SIZE	-	-	2 OZ.	6 OZ.	20 OZ.	40 OZ.
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Chemists'	-	-	13/6	27/-	78/-	144/- per dozen

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SIZE	-	-	-	1 OZ.	8 OZ.	16 OZ.
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3.—HOME COUNTY.—Dispensing and Retail Business; capital situation; returns, under Manager, between £1,400 and £1,500; net profit £360; books audited by accountant and stock taken annually; price £750, to include £90 book debts; part payment would be considered.

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9.—SOUTHERN COUNTY.—Very old-established Business, situate in busy shopping thoroughfare, and producing a net income of about £700 per annum; further details on application.

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LONDON, S.W.—General Business for Sale in good suburb; returns £1,900, increasing yearly; satisfactory reasons for selling; proprietor will remain for a time if necessary; price £450, or offer. Apply 95/27, Office of this Paper.

NEVIN, NORTH WALES.—Dispensing Chemist, Family, Photographic, etc.; takings £500 (might be doubled by pushing); corner shop and house, 3 bedrooms, 3 living rooms, 2 large cellars, 2 attics, 2 lofts, and small handy yard; seaside resort, most bracing beautiful country; 7 miles from railway station (Pwllheli), regular motor-bus conveyance, etc., from station. Apply to W. G. Williams, The Pharmacy, Port Dinorwic.

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NO CHARGE TO PURCHASERS.

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- 6.—LONDON (Western Suburb).—Light Cash Retail and Dispensing, with Photographic; busy main road; returns over £2,000, increasing; low rent; long lease; corner premises; well stocked; owner retiring; price £75, and valuation of stock and fixtures.
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- 8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; net profit £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

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We are now booking stocktakings for May, and are open to undertake one or two large ones during that month. Appointments should be made early to avoid dates clashing. Terms sent on application.

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BRANCH Business for Sale in large working-class town in South Wales; excellent opportunity for smart man; low rent; long lease; splendid position; £1,500 turnover last year; 400 N.H.I. prescriptions a month; excellent profits. Apply "P. M." (95/3), Office of this Paper.

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£250 OR valuation will buy a nice Business doing £10 per week, and Insurance; good corner shop; £28 rent; much neglected; good chance for pushing man to double. Apply 65 Rustlings Road, Sheffield.

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(ESTAB. 1790),

WILL SELL BY AUCTION at the LONDON COMMERCIAL SALE ROOMS, E.C.,

On WEDNESDAY NEXT, APRIL 17,

a large quantity of

CHEMICALS, DRUGS, OILS & DYES

Including: 25 Barre's Norwegian Non-Freezing Medicinal Cod Liver Oil, Lubricating Grease, Wool Mixed Grease, Antifriktion Grease, 90,000 /spirin Tablets, 374 Boxes Antipyrin, 170lbs. Eau de Cologne Essence, 997 Bottles Tumenol Ammonium, 197 Bottles Antileprol, 23 Tins Confectionery Colours, 336 lbs. Liq. Liquorice Extract, Isinglass, Bismuth Salicylate, Jap. Beeswax, 6 cwt. Lump Alum, 88 lbs. Nux Vomica, 25 lbs. (550 strength) Saccharin (Duty Paid), 10 Tons Ground Sulphur, Phenolphthalein, Quinine Hydrochlor., Ammon. Bichromate, Pepsin, Formamints, Sanatogen, Hamatogen, Phenol, British Lysol, Cresylic Acid, 7 cwt. Graphite Lumps, Extract Ipecac. Liq., Flowers Camphor, &c. &c. Also

CHEMISTS' SUNDRIES

INCLUDING

Sponges, Corks, Bungs, Brasso, Vinolia Preparations, Rubber Fingers, Filtering Paper, Wrapping Paper, Filters, Jaconette 500 lbs. Cotton Wool, 120 doz. Drop Bottles, 300 gross Burst-off Vials, 200 Stoppered Jars, Shop-rounds, Soaps, Tooth Powders, 10 gross Porcelain Ointment Boxes, 250 doz. Sponge Bags, Holdalls, 95 lbs. Dental Rubber, 174 Glass Spray Bottles, 500 doz. Waterproof Soap Carriers.

ANILINE DYES AND COLOURS,

INCLUDING

Aniline Oil, 6 casks Ultramarine Blue
300 lbs. Direct Sky Blue
168 lbs. Auramine
60 lbs. Direct Navy, B.H.
90 lbs. Rhodamine, 5 G.
200 lbs. Bismarck Brown
560 lbs. Sulphur Black, O.G.
11 cwt. Brunswick Green
15 cwt. Permanent Red, etc. etc.

And 13 3/4 TONS FINEST EDIBLE BEEF FAT.

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UNIQUE OPPORTUNITY.—Lock-up Shop, in fast-developing residential locality; low rent; recently vacated by Chemist, who would dispose of the handsome fixtures for quite low price; no price required for goodwill. Apply Reeves, Estate Agent, 263 Mitcham Lane, Streatham, S.W. 16.

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A SOUND, Light Retail Business on or near West, or South Coast, returning anything from £500 to £1,000, with scope for Optics; must have modern healthy house attached, and garden; please describe fully house and shop, and state lowest price; preferably without N.H.I.; nice neighbourhood desired, and pleasantly situated house; immediate purchase. Full particulars to Pollard, Avondale Road, Shipley, Yorks.

WANTED, small Drug Stores or Mixed Business; country district; suit unqualified. "G." 15 Gerrard Street, Warwick.

AMALGAMATION.

A N old-established London firm, dealing with the trade and institutions in Druggists' Sundries and Surgical Dressings, desires to amalgamate with a similar London house. Replies to 51/42, Office of this Paper.

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3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

BIRMINGHAM.—Qualified Manager required for progressive business; state age, whether married, and salary required; prepared to grant a liberal interest in the profits to a capable man. "B. B." (93/123), Office of this Paper.

BIRMINGHAM.—Wanted, a smart lady Assistant as Dispenser; one well up in trade preferred, but a less experienced one not objected to; light, clean, good-class business. Apply Izon, Pharmacist, 86 High Street, Aston, Birmingham.

BIRMINGHAM.—Smart man, capable of taking charge of Buying Department, required immediately. Give full particulars as to age, experience, and salary required in first letter, "T. H. S." (93/120), Office of this Paper.

BIRMINGHAM (Moseley Road).—Young lady Assistant required for Light Retail and Dispensing business. Apply "Pharmacist" (93/14), Office of this Paper.

BIRMINGHAM.—Lady Assistant required (immediately) for progressive business, near the centre of the city; must be a good Dispenser. State salary required and when at liberty, "B. S." (93/12), Office of this Paper.

BOURNEMOUTH.—Junior or Improver for good-class Retail business. State experience, age, height, salary (outdoors), when disengaged, with photo and references, to W. Bland Botham, Pharmaceutical Chemist, The London Pharmacy, Bournemouth.

BOURNEMOUTH.—Lady Assistant wanted for high-class Pharmacy; outdoors. Please apply, giving fullest particulars, to E. J. Savage, 13 Queen's Road, Bournemouth.

BRIGHTON (Outdoors).—Competent Assistant wanted; duties mainly Dispensing, with some Counter work; hours 9-7.30, Wednesday 9-9, Thursday 9-1, Sunday duty (on alternate Sundays) 9-2 and 6-8. Apply, with full particulars as to experience, age, and salary required, enclosing photo, J. Colby & Co., 101 Western Road, Brighton.

CLIFTON, BRISTOL.—Capable Dispenser, ineligible, or lady, for high-class business; no evening duty. Apply, stating age, height, experience, and salary (outdoors), enclose photo if possible, to Giles, Schacht & Co.

GRAVESEND.—Lady Pharmacist required immediately (or Locum if services not fully available), to assist other ladies in managing a business; good Retail and Dispensing; easy hours and good salary offered for competent service. State age and experience to F. A. Moore, Pharmacist, Gravesend.

KENSINGTON DISPENSARY AND CHILDREN'S HOSPITAL.—Required (at once), Dispenser and Assistant Secretary at above Institution; hours 10 to 5.30; luncheon and tea provided. Will applicants kindly send copies of testimonials, and state salary, to the Hon. Secretary, 49 Church Street, Kensington, W. 8.

KENSINGTON.—Experienced Dispenser wanted for occasional Sundays and two or three evenings weekly; light duties; liberal terms. Apply 93/27, Office of this Paper.

KENT.—Assistant, unqualified (ineligible), or lady, for Retail chiefly; please state salary, etc.; short hours, no Sunday duty. Apply 86/18, Office of this Paper.

LANCASHIRE.—Young lady, with a little experience of Counter work and Dispensing, required for Light Retail and Dispensing business; comfortable berth; progressive salary. "Lancs" (93/122), Office of this Paper.

LEEDS.—Assistant lady for Counter and Dispensing, in a good-class business; must have had experience. Murray, 221 Woodhouse Lane, Leeds.

LONDON (CITY).—Assistant; unqualified; Counter and Dispensing; easy hours, no Sunday duty; ineligible for Army. Apply Vines & Froom, 16 Aldersgate Street, E.C. 1.

LONDON (CITY).—Unqualified Assistant Required (immediately); comfortable and permanent position; good Dispensing experience essential. "A. S." (95/23), Office of this Paper.

LONDON (near Marble Arch).—Assistant for Dispensing, Stock, and Counter; must be a good worker; 8.30 to 8 p.m., 1 p.m. Thursdays, 9 p.m. Saturdays; Store trade. Apply "Alpha" (97/2), Office of this Paper.

LONDON, S.W.—Wanted, smart lady Assistant for Patents, Sundries, and Perfumery, and some knowledge of ordinary Drugs; short hours. Full particulars of experience, salary required, etc., 96/37, Office of this Paper.

LONDON, S.W.—Outdoor Assistant wanted; good-class Light Retail and Dispensing; hours 9 to 8, alternate Sundays 1 hour morning, 1 hour evening; every afternoon off if required; state salary. Holt Green, South Kensington Station.

LONDON, W.—Assistant wanted; one accustomed to Dispensing preferred. Rouse & Co., Wigmore Street, London, W.

LONDON, W.—Experienced lady Dispenser required for high-class Dispensing business; no N.H.I. Apply, giving full particulars, to "Carboy" (51/20), Office of this Paper.

LONDON, W.—Half-time Assistant (ineligible) or lady with shop experience, to assist in first-class Dispensing and making preparations. Apply by letter to 94/38, Office of this Paper.

LONDON, W.C.—Qualified man or woman; good West-End Counter and Dispensing experience; also a Junior wanted; outdoors. Apply Coffman's Pharmacy, 6 Bloomsbury Street, W.C. 1.

MANCHESTER.—Qualified Assistant Manager; reliable references, etc.; outdoors; salary £3 15s. Apply 95/29, Office of this Paper.

MANCHESTER DISTRICT.—Lady Dispenser (with or without Hall qualification) required for good-class Retail and Dispensing business, with N.H.I. work; Counter experience desirable, but not essential. Apply, stating usual particulars as to experience, salary, references, when at liberty, etc., to T. Woodruff, Pharmaceutical Chemist, 83 High Street, Cheadle, Cheshire.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. **Timothy White Co., Ltd., Chemists, Portsmouth.**

STOCKPORT.—Wanted, a qualified Assistant (outdoors) for Light Retail and Dispensing; short hours, no Sunday duty, half-day Thursday; permanency. Apply, with full particulars, to J. West Lang, Pharmaceutical Chemist, Teviot Dale.

SURREY (not an air-raid district).—Young lady Assistant required; Dispensing and Light Retail; high-class business; permanency; apartments found. "Surrey" (93/124), Office of this Paper.

WORCESTER.—Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kitson, City Drug Stores, Worcester.

ACTIVE, qualified gentleman (ineligible) required in Retail business; must be capable of taking charge; reasonable hours; outdoors; salary £300 per annum. Apply, stating full particulars, earliest at liberty, etc., "Surrey" (93/23), Office of this Paper.

AN unqualified, competent Dispensing Assistant wanted, lady or gentleman, for middle-class business; easy hours; outdoors; two other lady Assistants kept. State age, salary required; experience, etc., B. Jukes, Wote Street, Basingstoke.

ASSISTANT wanted; Junior; outdoors; two kept; excellent experience to be had in Dispensing and Retail. Apply personally, or by letter, giving particulars, C. Coutts Michie & Co., 175 Kentish Town Road, N.W. 5.

ASSISTANT as Dispenser and Counter hand; Window-dresser; can probably secure exemption on account of V.A.D. Hospital Dispensing; hours 8.30 to 7; good-class trade; four girl Assistants kept. State age, salary required, and usual particulars, with references, Francis Hallam, Ltd., Rexall Pharmacy, Burton-on-Trent.

ASSISTANT (ineligible or lady) for market town agricultural business; short hours, no Sunday duty; outdoors. Full particulars in first letter, with photo, which will be returned, state salary required, D. Bell Kidd, Highbridge, Somerset.

ASSISTANT required for good-class Retail and Dispensing business; ineligible or lady; experienced; outdoors; reasonable hours. Selby, Sussex Square, Haywards Heath, Sussex.

ASSISTANT (ineligible or discharged) for Birmingham by old-established firm; hours 8.30 to 7 o'clock, Saturdays 1 o'clock, no Sunday duty or N.H.I. Apply, stating full particulars of past experience and salary required, to 94/6, Office of this Paper.

ASSISTANT (at once); middle-class quick Retail Dispensing business. Please state salary required (outdoors), experience, references, and enclose photo, Tremlett, Chemist, Fratton Bridge, Portsmouth.

DISPENSER wanted at St. Mark's Hospital, City Road, E.C. 1. Applications, stating age, experience, and salary required, should be sent to the Secretary at the Hospital at once.

F. M. RIMMINGTON & SON, LTD., 9 Bridge Street, Bradford, are in want of an Assistant of good address, to travel part time and occasionally assist inside. State age, salary, and experience.

FOR the middle of May or earlier, experienced Counter Assistant wanted; hours short, no Sunday duty; salary £3 to £4 weekly. R. H. Cooper, 20 Royal Exchange, E.C. 3.

FULLY QUALIFIED Assistant wanted (shortly); good experience essential. Apply F. Rogers, 327 Oxford Street, W. 1.

GEORGE & WELCH, Pharmaceutical Chemists, Worcester, have vacancy for Head Assistant for good-class Dispensing business. Apply, with full particulars as to age, experience, references, and salary required.

IMMEDIATELY, capable unqualified Assistant; Dispensing and Counter; experience essential. Full particulars as to salary and references to Glaisyer & Kemp, 11/12 North Street, Brighton.

LADY Dispenser required; Hall qualification; short hours, no extra duty. Apply, with particulars of experience, to Morris, Chemist, Rochester.

LADY Assistant wanted for Retail Counter, Window-dressing, etc. Please state experience, references, age, when disengaged, and salary required in first letter, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N. 7.

LADY Assistant required for Counter in West-End Pharmacy. With good knowledge of Drugs and Perfumery; hours of work approximately 8.45-6.15. Apply, stating age, experience, and salary required to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

LADY Dispenser, with knowledge of Retail business preferred; outdoors; salary and commission £2 per week; hours 8.30 to 6.15, close Wednesdays at 1. Fridays 8, Saturdays 8.30, no Sunday or holiday work; three other ladies on staff. Payne, Pharmaceutical Chemist, Maidstone.

LOCUM.—Locum for brisk Retail and Dispensing business, where three or four Assistants are employed, for two weeks in June, and the month of August. Apply to A. Evans (Foster & Dallas), 1 Lavender Hill, S.W. 11.

LOCUM wanted; Light Retail; abstainer; good references, recent, required. State salary and when at liberty, Griffiths, Kids Grove, Staffs.

MANAGER (over military age or ineligible) required to take charge of busy Pharmacy for the duration of the war; no Assistant kept; wages £5 per week, and house to live in. Apply 91/24, Office of this Paper.

MANAGER for good-class Retail and Dispensing business; capable, energetic, trustworthy, and of good address; knowledge of Photographic apparatus; materials and processes preferred, but not essential; on the West Coast; interest in business may be arranged. References and full particulars to "Tablet" (95/24), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Managing Assistant for small medium-class business. Please write full particulars, age, salary (indoors), to Tompsett, 163 Seaside, Eastbourne.

QUALIFIED Assistant wanted at once; accustomed to good-class Retail and Dispensing; no N.H.I. or Photographic work; no Sunday duty, easy hours; outdoors. Apply, with full particulars of age, experience and salary required, and when disengaged, to E. A. L. Kittle, Pharmacist, Horsham, Sussex.

QUALIFIED Chemist (ineligible for the Army) in good-class Store business, where there is some Insurance Dispensing; easy hours, no Sunday or Bank Holiday duty; commission; applicants should state particulars of experience, age, and salary desired. Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Manager, male or female, for branch; permanency, with short hours. State particulars and salary required, "South Yorks" (49/68), Office of this Paper.

QUALIFIED Manager (ineligible), chiefly for N.H.I. Dispensing and Retail. Give full particulars, stating salary (indoors), Eato, 57 Forest Lane, Stratford.

QUALIFIED Manager wanted (immediately) for quick cash business; must be a quick and accurate Dispenser, and not afraid of hard work; sole charge. Apply Munday's, Cash Chemists, 25 Camberwell Green, S.E.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (93/121), Office of this Paper.

REYNOLDS & BRANSON, LTD., Leeds, require an Assistant (lady) for Retail department. Apply as above, giving full details as to age, experience, and salary required.

SENIOR Assistant wanted for good-class business in West Midlands. Apply, with full particulars, age, height, experience, references, and salary required, to J. B. c/o British Drug Houses, Ltd., Graham St., City Road, London, N. 1.

UNQUALIFIED Assistant, man or woman, for quick Counter trade and N.H.I. work; outdoors; no Sunday duty, usual half-holiday. State salary, Frank Mays, 26 Barking Road, East Ham.

UNQUALIFIED Assistant wanted (male); Counter work and N.H.I. Dispensing; hours 9 to 8, Saturdays 9, alternate Sundays 6-8 p.m. Apply J. Brooks, Pharmacist, 8 High Street North, East Ham, E. 6.

UNQUALIFIED Assistant for good-class Retail and Dispensing experience; must be trustworthy, reliable, and well recommended. Full particulars to J. R. Cave, Ltd., 52 Nevill Street, Southampton.

WANTED (at once), good, capable, unqualified Assistant, male ineligible, or lady, for good-class country business in pretty district in Kent; hours 8.30-7.0 p.m., close Wednesdays 1 o'clock, no Sunday duty; outdoors. Usual particulars to Ridley, Pharmaceutical Chemist, Tenterden.

WANTED, Locum, qualified, for three weeks in June; Newcastle-on-Tyne district; state salary, references. Apply 92/14, Office of this Paper.

WANTED, a qualified Assistant for City Pharmacy; permanency; not over middle age; state salary. Apply 92/24, Office of this Paper.

WANTED, a qualified Chemist. Applications, endorsed "Chemist," stating age, qualifications, and salary required, with copies of two testimonials, to be sent on or before April 16th to the York Equitable Industrial Society, Ltd., Railway Street, York.

WANTED for a West-End Store, a lady Assistant at Drug Counter; short hours and no Sunday duty. Apply, stating age, experience, and salary required, to Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, E.C. 4.

WANTED, Dispensing Assistant (qualified or unqualified); ineligible for Army; outdoors; permanency; hours 8 to 6. Write, giving fullest details of experience, references, and salary, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

WANTED, a qualified Manager (lady or gentleman) for Light Retail business; 30 miles from London; permanency; hours 9 a.m.—7 p.m., half-day Wednesday, Saturday 9 p.m. Full particulars, with photo if possible, to Mr. F. E. Herington, 125 Ashburnham Road, Luton, Beds.

WANTED for the Belmont Prisoners of War Hospital, Sutton, Surrey, TWO DISPENSERS (female); salary 36s. 6d. per week, with dinner and tea daily, and overalls. Applications to E. J. Mott, Clerk to the Guardians, 129 Fulham Palace Road, W. 6.

YOUNG lady required; capable of checking and finishing off Dispensing, and with some Counter experience. Apply Arnold Roberts, 171 High Street, Acton, W. 3.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to the rule.

CHEMISTS (Wholesale) have vacancies for young ladies in their Analytical department. Apply by letter, stating previous experience (if any), marked "Vacancy," Devon Wharf, Emmott Street, Mile End, E.

DISPENSING Assistant (lady); experience in selling Cachets, Wrapping Powders, etc.; hours of work approximately 8.45 to 6.15. Applicants to state age, experience, and salary required to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

INVOICING Clerk; ineligible; experienced in pricing and dissecting orders, control staff; 50s. per week. Apply, full particulars, to 50/19, Office of this Paper.

INVOICE Clerk wanted; ineligible; hours 8.30 to 6, Saturdays 8.30 to 1. State age, positions occupied, when at liberty, reference and salary, Reade Brothers & Co., Ltd., Wolverhampton.

MANAGER; ineligible; qualified; able to conduct correspondence and general office routine, control staff; responsible position. Apply, with full particulars, 50/190, Office of this Paper.

PACKER (male or female) for Drugs and Oils. Write or apply, Ansay, 44 Wilson Street, Finsbury, E.C. 2.

PILL Hand required in West-End establishment; accustomed to making Pills from private formulas; hours of work approximately 8.45-6.15; permanent employment. Apply, stating age, experience, and salary required to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

SMART Laboratory Assistant, with practical experience of Chemical manipulations, for London works. Write, stating full particulars, to 50/69, Office of this Paper.

TABLET Maker wanted; experienced or inexperienced, Liverpool. Apply 45/74, Office of this Paper.

TABLET Maker; capable of taking full control of department: London; good wages to suitable and thorough competent man. Apply 51/33, Office of this Paper.

TEMPORARY berth for a qualified Chemist; ineligible for Military Service; must be accustomed to the analysis of Crude Drugs and Chemicals, and the standardisation of Pharmaceutical preparations; will also be required to conduct quantitative and qualitative analyses of foods, water, urine, etc.; a knowledge of Bacteriology essential. Apply 95/13, Office of this Paper.

TRAVELLER wanted for Heavy Chemicals for London; salary £2 per week, advancing on success, and commission. Apply "Traveller" (44/31), Office of this Paper.

TYPIST, Junior, required for London Wholesale Druggists; a knowledge of shorthand would be an advantage. Apply, giving full particulars and salary required, to Box 51/29, Office of this Paper.

WAREHOUSEMAN; ineligible; active, energetic; calling over and dispatch; not afraid of work. Apply, with full particulars, to 50/191, Office of this Paper.

WANTED, first-class men, now representing good houses, to carry side line; unique packing; special discounts; only applications from high-grade men entertained. State territory covered and terms represented to 94/14, Office of this Paper.

WANTED (at once), Laboratory Assistants, Drug Counter hands, Grinders, Pill and Tablet makers, for Lancashire firm; ineligible for Army service. State fully experience and wages required, 95/28, Office of this Paper.

WANTED, experienced Foreman or Forewoman for Tablet Manufacturing department. Apply, stating salary required, to Reynolds & Branson, Ltd., Leeds.

WET Counter first hand wanted; must be thoroughly experienced. Apply General Apothecaries' Company, Ltd., 49 Berners Street, W. 1.

YOUNG lady required in Shipping department of Australian Merchant's office; experience of shorthand and typewriting preferred. Write, stating age, experience, and salary required, to Rooke, Tompsitt & Co., 4 Redcross Street, London, E.C. 1.

SITUATIONS WANTED.

as. for 12 words or less; 6d. for every 10 words or less beyond, prepaid

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

(HOME.)

RETAIL.

A QUALIFIED Manager, married, 39, 5 ft. 9½ in., abstainer and non-smoker, experienced in Retail, Dispensing, Photography, and Store trade, desires quiet seaside or country berth; S. or S.W. preferred; ineligible. Apply 91/18, Office of this Paper.

A QUALIFIED lady Dispenser desires post; Civil Hospital or with Doctor (if possible, quite near undermentioned suburb). Morris, 11 Manor Road, Beckenham.

A CTIVE Locum; elderly; abstainer; thoroughly experienced; recent references; unregistered. "Statim," 19 Chapel Street, Uxbridge.

A S Assistant to a Chemist, over military age, in family country business; long and varied experience; over 50; active; married; unregistered; excellent references re character and ability. Please state salary, hours, etc., to "Dispenser," 12 Inverness Road, Gosport.

A SSISTANT; disengaged evenings. Particulars. "Alpha" (89/3), Office of this Paper.

A SSISTANT Manager; temporary; active; middle-age; competent. "J. S.," 71 Manor House Road, Jesmond, Newcastle-on-Tyne.

A SSISTANT; Chemist's wife; experienced Counter hand, Stock, Window-dresser; no N.H.L. work; whole or part time. Mrs. Wright, 10 St. Ann's Road, Brixton, S.W. 9.

A SSISTANT; 23; good experience and references; Grade 3; married; tall, smart; unqualified; in or near Worthing; disengaged. 129 Geraldine Road, Wandsworth, London, S.W. 18.

B RANCH Manager or Assistant; permanent or locum; 39; C3; tall; 18 years' experience; unregistered. "Phenazonum," 41 Mercer Grove, Hulme, Manchester.

D ISPENSER, lady, partly qualified, requires post with Doctor or Chemist; part-time; no Counter; end April; Birmingham district. 395 Kingsbury Road, Erdington.

DURATION OF WAR.—Qualified Chemist, 44, offers service, 11 a.m. to closing time; health Insurance and Counter; London; excellent testimonials; salary nominal. Apply 97/1, Office of this Paper.

EMERGENCY Assistant or Locum; disengaged. "L. T." Doleed, New Road, Lampeter, Cardiganshire.

HOLIDAY Locum; two or three weeks, July or August; South Coast; 37; unqualified; thoroughly competent; used to sole charge; present engagement over three years. Terms, "Radix", (94/11), Office of this Paper.

HOSPITAL Dispenser; Locum; qualified. Irving, 66 Rowfant Road, Balfham, S.W. 17.

LADY Dispenser (Hall); straight from College; Doctor, Institution, Chemist; no Counter; London. Apply 93/20, Office of this Paper.

LADY (Minor) desires Retail experience, evenings; would give services in return for same; South Manchester district preferred. Apply 91/25, Office of this Paper.

LADY Dispenser (Hall) requires Locum post (May); experienced. Poplett, Penlan, Fordham, Colchester.

LADY Dispenser (Hall qualification), experienced, desires post; Cambridge district preferred. Moxon, Oak Cottage, Great Shelford, Cambs.

LADY Dispenser (Hall); post or locum; London; experienced; good testimonials, Institution, Doctor. Apply 94/39, Office of this Paper.

LADY Dispenser, with Counter experience, desires change; would do relief work; free first week in June. Apply 94/32, Office of this Paper.

LOCUM; 38; unqualified; first-class man; Dispensing, Agricultural, Optical, Photographic; excellent references; £4 10s. per week. Apply 85/20, Office of this Paper.

LOCUM; disengaged April 15th; highest references. "S.", 19 Rockmount Road, S.E. 19.

LOCUM or otherwise; elderly; qualified. Chemist, 35 Hatcham Park Road, New Cross, S.E.

LOCUM; qualified; elderly; disengaged; Lancashire district preferred. Apply 94/23, Office of this Paper.

MANAGER; temporary or permanent; no or little N.H.I.; 6 ft.; 50; disengaged April 30th; forward looking. Major, Pharmacist, Otter View, Otterbury St. Mary.

MANAGER, 42, married; seeks change; Birmingham or coast; good experience and references. Apply 91/27, Office of this Paper.

MANAGER; qualified; Army discharge; single; North preferred. Hunter, 3 Prudhoe Street, Alnwick.

MANAGER; qualified; 41; single; Army discharged; recently managing private progressive Pharmacy doing £6,500 cash; good buyer, controller, organiser; well experienced. "Fuse", (93/1), Office of this Paper.

MANAGER; Senior; 46; qualified; outdoors; every experience; immediate. Bromley House, Fulwood, Preston.

MANAGER, 35, married, qualified Grade III., Photography, excellent references, exceptionally wide experience, first-class Salesman and Dispenser, desires position as Manager or Senior. Address "Trees" (95/26), Office of this Paper.

MIDDLESBROUGH OR NEAR.—Lady (young) seeks position in Chemist or Druggery; experience; good references. Apply 90/31, Office of this Paper.

PART-TIME Dispenser; qualified; little experience Counter; disengaged evenings. Apply 95/6, Office of this Paper.

PART-TIME; two or three days weekly; qualified; 45. Pharmacist, 9 Claverton Street, S.W.

QUALIFIED, age 27, discharged, seeks position as Assistant; North on West Coast preferred; no Sunday duty. Apply "Xenon" (91/29), Office of this Paper.

QUALIFIED.—As Manager or other responsible position, with interest or view to succession; 44; married (no children); good Dispenser, Prescriber, and Counter; good reference. "Reliable," 4 Eldon Road, Reading.

QUALIFIED has few weeks spare, Locum or temporary, near London; age 48. Apply 94/12, Office of this Paper.

QUALIFIED (1896), aged 44, abstainer, unimpeachable and successful history, knows the trade from A-Z, offers his services for the duration as a substitute in the Retail. Apply 95/21, Office of this Paper.

QUALIFIED (56) desires engagement; part-time or short hours; London or near. Apply 95/32, Office of this Paper.

QUALIFIED (25); part-time berth; afternoons 2-5; N.W. district preferred. Jones, 55 Sandringham Road, Golders Green, N.W. 4.

THREE or four evenings; good experience N.H.I., Counter. 135 Albert Road, N. 22.

UNQUALIFIED; 23; Grade III.; nine years' varied experience; Dispensing, Counter, and Photography; state salary offered and hours. Apply 93/16, Office of this Paper.

UNQUALIFIED; 23; Grade III.; first class experience (within half-hour Golders Green). Apply 93/40, Office of this Paper.

WANTED, Temporary Dispensing; Doctor or Institution; London; excellent testimonials; disengaged April 25th. Miss Rose, The Orchards, Bledlow Ridge, Stokenchurch, S.O. Bucks.

WINDOW-DRESSER; single windows or by contract, speciality windows; artistic; lots principal Window-dresser for Messrs. A. & F. Pears, Ltd., Apply Finch, 49 Park Walk, Chelsea, S.W. 10.

WHOLESALE.

EXPERIENCED middle-aged, qualified Chemist and Analyst desires post in Manufacturing Laboratory; London district; highest references; moderate salary. Apply 96/39, Office of this Paper.

GENTLEMAN, thoroughly conversant with the Drug, Sundries, and Toilet specialities, desires position as Representative; ineligible; excellent references; Midlands or Wales preferred. "L. N." (85/10), Office of this Paper.

GENTLEMAN, qualified, 45, wishes to represent good house; whole or part time. Pharmacist, 9 Claverton Street, S.W.

GLASGOW AND WEST OF SCOTLAND.—Gentleman (qualified Chemist), with splendid connection on this ground, open for a few additional lines; commission basis. Apply 95/9, Office of this Paper.

PHARMACEUTICAL CHEMIST seeks position as WORKS MANAGER.

Advertiser has been accustomed to control large manufacturing interests with well-known firms. Apply 95/16, Office of this Paper.

TRAVELLER or Office, etc.; whole or part time; London and Home Counties preferred; ineligible; well up in all branches; good connection; best of references; moderate salary. Address "Drugs" (95/4), Office of this Paper.

WORKS' Chemist wants position in North or Midlands Manufacturing, buying, costs, control staff, get out the work, packing proprietaries, and make the concern pay; ineligible for military service; good organiser and plenty of "go"; able to look ahead. "Works" (94/31), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—400 Commercial Salt, 3s.; 160 Evans Lescher Prefs., 17s. 3d.; 200 Parke's Drug Ord., 10s. 6d.; 125 6% Prefs., 15s. 7½d.; 200 International Plasmon, 6s. 9d.; 100 Mellin's Food 6% Prefs., 14s. 6d.; 200 Virol, 44s. 7½d.; 300 Sapon, 4s. 7½d.; 300 Farrow's Bank, 10s. paid, 8s. 4½d.

Wanted (subject).—Idris Prefs. and Debentures; Allenbury Prefs.; 200 Wright Layman Prefs., 19s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

GENUINE Cod-liver Oil (about 10 or 12 barrels); 5 gallon lots, 16s. gallon; 25 gallon barrels, 15s. 6d. gallon; sample free. Morrey, Chemist, Market Drayton.

SIX casks best White Petroleum Jelly for Sale. Apply 49/56, Office of this Paper.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, KUDDUCK & CO., 262 Old Street, London, E.C.

COTTON-WOOL, white, absorbent, interleaved, one pound parcels, 1 cwt. at 2s. 3d. per lb.; 2 cwt., 2s. 2½d.; 5 cwt., 2s. 2d.; carriage paid, cash with order; wrappers charged 3s. 6d. per cwt., and returnable; sample for stamp. J. Mills, Chemist, Platt Bridge, Wigan.

PERFUMERS! Shortage of Labour! Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders in large or small quantities at lowest possible rates; good workmanship and prompt delivery; ingredients supplied if desired at lowest market prices. Write, stating requirements, to "Dentifrice" (94/13), Office of this Paper.

7 GROSS White Rose and Lavender Scent Sachets, 12s. gross; 6 gross bottles Day & Martin Tan Cream, 3s. 6d. doz.; 3 dozen Ladies' Rubber Gloves, 18s. dozen; Set Scales and Weights, £1; 10 ton Curd Soap, £90 ton; 100 cases Lever's Elmleigh Candles, 13 to packet, 40s. case. Net, ex London warehouse. Beel, 17 Ashmere Grove, Brixton, S.W. 2.

EXCHANGE COLUMN

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